HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, JANUARY 4, 1868. No. 388.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns are high and unsatisfactory. In the week ending on Saturday, the 4th instant, 1619 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; the deaths at the same time among patients of the pauper and hospital class were numerous, amounting to 70, being in the proportion of 1 death to every 23 cases.

The returns of the more important diseases are considerably higher than those of the previous week. Seizures from diseases of the respiratory organs for example exhibit a marked increase, 339 instead of 254 new cases being returned.

Continued Fever also proved considerably more general than it was a week ago; of 81 new cases 27 are assigned to true Typhus; 11 of these patients were admitted into the Manchester Workhouse, 4 into the Royal Infirmary, and 4 into the Chorlton Workhouse.

In many parts of the town Whooping-Cough is still very general and appears to be gaining ground, 12 new cases being received at the Manchester Workhouse, while 8 more were treated at the Salford Hospital, and 6 at the Clinical Hospital.

The attacks of Scarlet Fever in the course of the week amounted to 22, and those of Measles to 7.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 322 deaths were registered in the eleven districts which supply returns to the Sanitary Association. In the two previous weeks the numbers were 290 and 259.

Diseases of the Lungs proved fatal to 106 persons, Whooping-Cough to 29, and Fever to 19.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 30·1° or 7·0° below the average; at the Royal Infirmary it was 34·1°; at the Salford Observatory 34·5°; and at Eccles 33·0°.

JOHN ED. MORGAN, M.D., M.A. Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INS

New Cases of Disease coming under Treatment Durin

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..
Scarlet Fever	..	..	1	..	..	..	1	1	..	..	..	4	..	..	2	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	2	1	..	..	1	..	4	12	..	6	..	..	1	..	6	..
Croup	..	..	...	..	..	..	..	..	..	..	..	1	..	1	..	..
Diarrhœa	..	2	..	..	..	..	2	2	..	5	..	..	..	..	2	3
Dysentery	1	..	..	..	..	..	1	.	..	..	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	2	..	..	1	..	..	..	..	..
Continued Fever	*a*6	..	..	1	..	..	7	..	..	..	..	..	..	..	..	..
Typhus	..	..	..	..	..	2	2	11	4	..	1	1	1	..	..	1
Enteric or Typhoid	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..
Febricula	..	..	..	..	2	1	3	5	..	..	2	1	1	1	..	2
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	4	2	29	..	..	3	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	15	6	5	3	3	8	40	34	1	49	..	4	7	16	4	5
Influenza	..	..	..	..	..	..	..	6	..	1	..	..	..	..	..	1
Pleurisy and Pneumonia	1	..	..	..	..	..	1	5	1	2	2	..	..	..	1	..
Phthisis	..	..	..	..	..	1	1	10	..	23	..	..	2	..	..	1
Constitutional Syphilis	1	1	..	..	..	..	2	12	..	12	..	..	3	..	..	2
All other Diseases	14	7	16	5	1	11	54	120	16	152	4	4	4	45	26	6
Accidents	1	3	2	1	..	..	7	1	22	104	1	2	..	..	..	..
TOTAL	41	20	24	10	7	23	125	226	47	383	11	17	23	63	42	21

a 5 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
(13) Mr. H. RUNCORN
(14) Dr. WHITEHEAD
(15) „ J OGDEN FL
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 4th day of January, 1868.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329				477			646		508	2650				Area in Statute Acres.	
70,967				68,209			44,850		21739	24,448				Population in 1861.	
Law District	Public Institutions.			Poor Law Districts			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anecats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES	DEATHS.
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's									
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Small-pox	..
..	..	3	..	1	..	1	..	..	..	..	..	7	17	Measles	..
..	..	4	..	1	..	2	4	1	..	2	..	22	6	Scarlet Fever	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	1	8	..	2	..	1	..	2	..	3	1	47	7	Whooping-cough	4
..	..	..	..	..	..	..	..	..	..	..	..	2	1	Croup	..
..	..	6	3	..	..	..	..	2	..	..	6	31	34	Diarrhœa	1
..	..	..	..	..	..	..	..	1	..	..	..	2	1	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
..	..	..	..	1	2	..	..	1	..	..	..	7	10	Erysipelas	..
..	1	4	..	..	6	..	1	2	..	...	..	22	97	Continued Fever	..
..	..	2	..	..	..	..	..	..	..	..	4	27		Typhus	7
..	..	3	..	..	..	..	..	1	..	..	..	6		Enteric or Typhoid	..
..	..	5	..	2	..	1	..	..	..	3	..	26		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	3	4	1	1	..	..	1	..	..	..	..	48	59	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever	..
8	4	30	6	7	5	2	8	13	5	7	30	301	291	Bronchitis & Catarrh	16
1	..	2	..	..	..	..	..	1	..	..	..	15		Influenza	..
..	1	6	..	..	..	..	..	2	..	..	2	23	26	Pleurisy & Pneumonia.	6
4	..	8	..	..	..	..	2	2	..	3	5	63	60	Phthisis	10
..	..	5	3	..	..	..	3	..	..	..	6	48	29	Constitutional Syphilis	..
10	17	40	3	10	3	10	13	26	10	11	108	690	799	All other diseases	18
1	..	52	..	1	1	..	3	15	..	22	..	232		Accidents	5
24	27	182	16	26	17	17	35	63	15	51	162	1619	1439	TOTAL	70

Indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

reports of the Association, and has as far as practicable, been taken into account in the conclusions from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	1	..	..	..	..	..	..	..	..	..	..	1	..
Measles	3	2	..	..	1	..	..	..	..	2	..	8	12
Whooping-cough	8	8	..	1	2	..	3	..	1	5	1	29	3
Scarlatina	1	..	1	..	..	1	1	1	..	2	1	8	15
Diarrhœa	1	..	..	..	..	1	2	..	1	..	..	5	2
Fever	1	1	*b*3	1	..	2	*d* 4	..	*e*2	*f*5	..	19	14
Diseases of the Lungs	17	17	10	5	5	9	2	..	12	20	9	106	89
Other causes	20	*a*12	14	*c*12	*c*8	*c*8	23	*c*15	7	23	*g*4	146	132
TOTAL NO. OF DEATHS.	52	40	28	19	16	21	35	16	23	57	15	322	267
TOTAL NO. OF BIRTHS.	35	46	23	23	12	30	35	23	28	49	24	328	256

a 3 Inquests. *b* 2 Typhus and 1 Scarlet. *c* 1 Inquest. *d* 2 Typhus. *e* 1 Typhus and 1 Remittent. *f* 3 Typhoid, *g* 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	TOTAL.	DISEASE.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	TOTAL
7	11	4	22	Small-pox	6	1	2	9
..	..	..	..	Chicken-pox	..	..	..	..
61	118	169	348	Measles	36	63	50	149
125	121	117	363	Scarlatina	38	113	112	263
3	2	3	8	Diphtheria	..	1	..	1
35	51	50	136	Whooping-cough	89	102	149	340
..	7	5	12	Croup	2	3	2	7
1361	458	228	2047	Diarrhœa	656	225	142	1023
6	5	5	16	Dysentery	23	14	5	42
..	..	..	..	Cholera	..	..	..	..
13	23	38	74	Erysipelas	18	15	30	63
..	..	..	..	Puerperal Fever	..	..	7	7
..	..	..	..	Insanity	..	..	..	..
482	898	1073	2453	Bronchitis and Catarrh	624	993	1390	3007
27	43	65	135	Pleurisy and Pneumonia	66	57	79	202
..	..	..	..	Carbuncle	..	..	..	..
4910	4716	4503	14129	Accidents, and all other Diseases.	4671	4552	5599	14822
7030	6453	6260	19743	TOTAL	6229	6139	7567	19935

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN DECEMBER.

	Inches.	Wet Days.
Royton	4·105	18
Old Trafford	3·975	19
Penketh	3·217	23
Eccles	....	..
Wilmslow	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq
Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·268	30·274	30·279	30·274	NO RETURN.	30·257	30·286
Highest (Unreduced)	30·330	30·325	30·314	30·325		29·880	30·428
Lowest (Unreduced)	29·972	29·977	30·000	29·977		29·510	30 090
Range	0·358	0·348	0·314	0·348		0·370	0·338
Temperature.							
Adopted Mean	34·1	34·5	33·8	33·0		32·1	31·9
Range for Week	15·1	14·1	17·3	16·1		14·8	17·0
Daily Range	5·4	5·9	8·1	7·0		7·0	8·3
Maximum in Shade	38·6	41·3	41·5	40·6		39·7	39·1
Minimum in Shade	27·5	27·2	24·2	24·5		24·9	22·1
Temperature of Dew Point	30·0	31·2	30·4	28·8		29·1	28·5
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·852	0·881	0·870	0·846		0·850	0·866
Prevailing Winds	....	NE	NE	NE		NE	NE
Rain	....	0·21	0·032	0·039		0·060	0·017
Ozonometer.							
Moffat	....	0·00	0·00	0·71		....	0·00
Schonbein	....	....	0·00	....		0·00	0·00

January 4, 1867. JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

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Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, JANUARY 11, 1868. No. 389.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continue unfavourable. In the week ending on Saturday, the 11th instant, 1777 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1401 and 1619; the deaths at the same time among patients of the poorer class amounted to 59, being in the proportion of 1 death to every 30 cases.

In the course of the week 87 seizures from Continued Fever were recorded, 30 of these cases are ascribed to true Typhus, of which 18 were admitted into the Manchester Workhouse.

Whooping-Cough still continues very general—47 new cases were returned—in the corresponding week of last year there were only 7.

The attacks of Scarlet Fever declined from 22 to 18; 4 of these cases were attended by the medical staff of the Ardwick and Ancoats Dispensary.

Diseases connected with the respiratory organs are very prevalent, no fewer than 382 cases are entered in the returns,—a fortnight ago the number did not exceed 254.

In the course of the three last weeks not a single case of Small Pox has been seen in the public practice of the town.

In respect to other diseases nothing unusual was observed.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 285 deaths were registered in the eleven districts which supply returns to the Sanitary Association. Eighty-five of these deaths are ascribed to Diseases of the Lungs, 24 to Scarlet Fever, and 21 to Whooping-Cough. The deaths from Scarlet Fever were particularly numerous in the Chorlton and Ancoats Districts.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 30·6° or 5·3° below the average; at the Salford Observatory it was 35·9°; at Old Trafford 85·8°; and at Eccles 34·9°.

JOHN ED. MORGAN, M.D., M.A. Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INS

New Cases of Disease coming under Treatment Duri

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary					Children		
	1 St. Peter's	2 St. Andrew's	3 St. George's	4 Cathedral	5 St. Jude's	6 St. Michael's	Total of Districts.	7 Workhouse.	8 In-patients	9 Out-patients.	10 District I.	11 District II	12 District III.	13 St. Mary's Hospital.	14 Clinical Hospital.	15 City Gaol.
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..
Scarlet Fever	..	..	2	..	..	..	2	..	..	2	..	1	..	1	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	2	..	..	..	..	2	4	8	..	2	..	2	1	9	2	..
Croup	..	..	...	..	..	..	..	..	..	..	..	..	..	..	.	..
Diarrhœa	..	1	..	..	..	1	2	..	..	3	..	..	..	6	2	2
Dysentery	..	..	..	..	..	1	1	.	..	..	.	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Continued Fever	*a*7	..	1	..	*a*1	..	9	..	..	..	..	..	..	..	..	..
Typhus	..	..	..	..	*a*1	..	1	18	3	..	..	2	2	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Febricula	1	..	..	..	1	1	3	6	2	4	..	2	..	2	..	3
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	1	1	..	2	4	1	28	2	..	2	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	1	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	12	5	3	8	4	8	40	40	1	55	4	2	8	13	10	5
Influenza	..	..	..	..	..	..	..	6	..	2	..	..	..	..	1	..
Pleurisy and Pneumonia	1	3	..	..	..	..	4	3	1	2	1	1	..	2	..	.
Phthisis	..	1	..	1	..	1	3	12	3	21	1	6	3	..	1	..
Constitutional Syphilis	1	..	..	..	1	..	2	16	..	9	..	..	..	..	..	1
All other Diseases	27	9	19	6	4	14	79	112	22	143	6	11	8	62	30	5
Accidents	2	..	2	2	1	1	8	4	13	112	1	2	2	..	..	..
TOTAL	53	19	27	18	14	29	160	231	46	386	15	29	26	97	47	16

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
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TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 11th day of January, 1868.

	SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
	1,329				477			646		508			2650		Area in Statute Acres.	
	70,967				68,209			44,850		21739			24,448		Population in 1861.	
	Poor Law District	Public Institutions.			Poor Law Districts			Poor Law District		Poor Law District						
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District	Dispensary.	Poor Law District	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES	DEATHS.
	17	18	19	20	21	22	23	24	25	26	27	28				
	..	..	..	..	..	..	..	..	..	..	..	..	..	3	Small-pox	..
	..	..	..	..	..	..	1	..	2	..	..	..	5	6	Measles	..
	..	1	1	..	2	..	1	..	1	1	4	..	18	4	Scarlet Fever	2
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
	..	..	4	.	..	..	..	1	6	..	5	3	47	7	Whooping-cough	3
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
	..	..	3	2	..	2	..	..	1	..	..	5	28	38	Diarrhœa	1
	..	..	..	..	..	..	1	..	..	..	..	..	2	5	Dysentery	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
	..	..	..	..	1	..	..	..	1	..	..	1	4	9	Erysipelas	..
	..	7	2	..	..	2	..	..	..	..	...	..	22		Continued Fever	..
	..	..	1	..	.	..	..	..	2	..	..	1	30	81	Typhus	3
	..	..	4	..	..	..	..	..	..	..	..	..	4		Enteric or Typhoid	..
	..	..	2	..	..	..	..	3	1	..	3	..	31		Febricula	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
	..	1	5	..	1	..	..	1	..	..	..	..	47	81	Rheumatic Fever	..
	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Puerperal Fever	..
	1	5	50	5	11	12	6	8	8	2	10	34	346	413	Bronchitis & Catarrh	11
	1	..	3	..	..	..	..	..	..	..	1	..	14		Influenza	..
	.	1	2	1	..	..	..	..	1	..	3	..	22	22	Pleurisy & Pneumonia.	4
	1	1	12	..	3	2	..	2	1	..	3	8	88	71	Phthisis	11
	..	..	5	2	..	..	..	2	..	..	..	4	42	33	Constitutional Syphilis	..
	13	21	89	4	8	5	13	18	22	4	9	97	801	932	All other diseases	23
	..	..	40	..	1	..	1	3	18	..	16	..	222		Accidents	1
	16	37	223	14	27	23	23	38	64	7	54	153	1777	1705	TOTAL	59

Indebted for the annexed Returns

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

reports of the Association, and has as far as practicable, been taken into account in the conclusions from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	..	..	..	1	..	2	13
Whooping-cough	4	2	1	2	3	1	1	1	3	1	2	21	3
Scarlatina	5	4	..	..	..	3	2	1	6	2	1	24	11
Diarrhœa	..	1	..	1	..	..	1	1	1	1	..	6	6
Fever	..	..	*b*2	..	..	*d* 1	*e*2	..	1	1	..	7	15
Diseases of the Lungs	12	9	12	9	5	8	3	2	3	16	6	85	121
Other causes	12	*a*20	18	*c*12	15	10	*f*19	*c*7	6	12	9	140	149
TOTAL NO. OF DEATHS.	34	36	33	24	23	23	28	12	20	34	18	285	318
TOTAL NO. OF BIRTHS.	39	41	17	23	19	31	31	18	30	51	25	325	313

a 6 Inquests. *b* Typhus. *c* 1 Inquest. *d* Typhoid. *e* 1 Typhus and 1 Typhoid. *f* 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	TOTAL.	DISEASE.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	TOTAL
7	11	4	22	Small-pox	6	1	2	9
..	..	..	..	Chicken-pox	..	..	..	..
61	118	169	348	Measles	36	63	50	149
125	121	117	363	Scarlatina	38	113	112	263
3	2	3	8	Diphtheria	..	1	..	1
35	51	50	136	Whooping-cough	89	102	149	340
..	7	5	12	Croup	2	3	2	7
1361	458	228	2047	Diarrhœa	656	225	142	1023
6	5	5	16	Dysentery	23	14	5	42
..	..	..	..	Cholera	..	..	..	..
13	23	38	74	Erysipelas	18	15	30	63
..	..	..	..	Puerperal Fever	..	..	7	7
..	..	..	..	Insanity	..	..	..	..
482	898	1073	2453	Bronchitis and Catarrh	624	993	1390	3007
27	43	65	135	Pleurisy and Pneumonia	66	57	79	202
..	..	..	..	Carbuncle	..	..	..	..
4910	4716	4503	14129	Accidents, and all other Diseases.	4671	4552	5599	14822
7030	6453	6260	19743	TOTAL	6229	6139	7567	19935

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN DECEMBER.	Inches.	Wet Days.
Royton	4·105	18
Old Trafford	3·975	19
Penketh	3·217	23
Eccles	....	..
Wilmslow	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq
Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·080	30·097	30·111	30·097	30·104	30·094	
Highest (Unreduced)	30·132	30·119	30·148	30·119	30·064	29 670	
Lowest (Unreduced)	29·694	29·685	29·714	29·685	29·576	29 238	
Range	0·438	0·434	0·434	0·434	0·488	0·432	
Temperature.							
Adopted Mean	36·5	35·9	35·8	34·9	34·1	33·5	
Range for Week	10·6	11·2	12·0	12·1	13·3	10·2	
Daily Range	5·0	3·4	6·0	5·7	6·3	4·4	
Maximum in Shade	39·3	39·3	40·0	39·0	39·6	37·5	
Minimum in Shade	28·7	28·1	28·0	26·9	26·3	27·3	
Temperature of Dew Point	32·5	31·2	33·0	31·6	31·8	31·5	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)	0·851	0·828	0·898	0·870	0·913	0 922	
Prevailing Winds	....	NE,SE	NE,SE	NE,SE	NE	NE	
Rain	....	0·269	0·256	0·347	0·231	0·575	
Ozonometer.							
Moffat	....	0 42	4·13	1·14	....	0·00	
Schonbein	....	....	0·00	....	5·86	2·30	

NO RETURN.

January 11, 1867. JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, JANUARY 18, 1868. No. 390.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continue very unsatisfactory. In the week ending on Saturday, the 18th instant, 1723 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1619 and 1777; the deaths also among patients of the poorer class were very numerous, amounting to 82, being at the rate of 1 death to every 21 cases.

In the course of the week the seizures from Continued Fever rose from 87 to 109, 32 of these cases are ascribed to Typhus, 12 of these being admitted into the Manchester Workhouse, and 6 as in-patients of the Royal Infirmary.

Under Whooping-Cough also there is a considerable increase—last week 47 attacks were recorded, in this return 59.

Bronchitis and kindred affections of the respiratory organs are very prevalent, no fewer than 363 new cases were seen during the week. These disorders are doubtless to be ascribed to the singularly changeable aud generally unfavourable state of the weather.

The Scarlet Fever returns exhibit a slight improvement—16 instead of 18 new cases being recorded.

During the four last weeks not a single case of Small Pox has been seen in the public practice of the town.

In respect to other diseases nothing unusual was observed.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 270 deaths were registered in the eleven districts of the Sanitary Association. In the two previous weeks the returns were still heavier—76 of these deaths are ascribed to diseases of the lungs, 19 to Whooping-Cough, and 17 to Scarlet Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 44·9° or 8·5° above the average; at the Royal Infirmary it was 46·0°; at Old Trafford 45·0°; at Salford Observatory 46·1°; and at at Eccles 45·4°.

JOHN ED. MORGAN, M.D., M.A. Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	1	..	..	..	1	2	..	..	..	..	3	..	1	..	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	2	..	..	..	..	2	6	..	5	..	2	3	2	17	.
Croup	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..	.
Diarrhœa	1	..	..	..	..	2	3	..	..	5	..	..	..	3	1	
Dysentery	..	..	..	..	..	1	1	.	..	..	..	..	..	..	..	.
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Erysipelas	..	..	..	..	..	..	..	2	..	..	1	..	1	..	..	.
Continued Fever	*a*4	1	..	..	*b*2	2	9	..	..	..	..	..	..	..	..	.
Typhus	..	..	..	2	*b*1	..	3	12	6	..	2	4	1	..	..	.
Enteric or Typhoid	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Febricula	1	..	..	..	1	..	2	12	..	3	1	..	1	7	..	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatic Fever	..	..	..	..	1	1	2	..	2	19	..	2	2	..	..	
Puerperal Fever	..	..	..	..	..	..	..	1	...	..	..	..	..	..	..	
Bronchitis and Catarrh	7	9	4	3	3	9	35	50	3	37	2	6	6	20	7	
Influenza	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	
Pleurisy and Pneumonia	..	..	..	..	..	..	..	8	..	..	1	1	..	3	2	
Phthisis	..	3	1	..	..	2	6	10	1	20	..	1	2	1	3	
Constitutional Syphilis	..	..	1	1	..	..	2	18	..	15	..	..	1	..	..	
All other Diseases	23	13	17	10	5	10	78	104	14	138	4	2	7	76	33	
Accidents	2	..	1	2	..	2	7	1	16	84	2	..	1	..	1	
TOTAL	38	31	24	18	13	30	154	224	42	330	13	21	25	113	64	

a 3 Removed to Workhouse. *b* Removed to Workhouse. *c* 1 Removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN
(13) Mr. H. RUNCO
(14) ,, J FINLAYSC
(15) ,, J OGDEN F
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

TONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 18th day of January, 1868.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.....			.. 646...		508	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
R LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Small-pox	..
..	..	3	..	..	1	..	..	..	..	..	..	6	20	Measles	..
..	..	2	..	1	..	1	1	1	1	3	..	16	5	Scarlet Fever.	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	4	..	6	..	..	1	4	3	2	2	59	2	Whooping-cough	4
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
1	..	4	2	..	2	..	..	2	..	1	4	32	40	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	1	2	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	1	..	..	..	..	..	..	1	..	..	1	7	2	Erysipelas	..
..	4	4	..	..	3	..	..	1	..	...	..	23		Continued Fever	..
..	..	3	..	..	..	..	..	..	..	..	1	32	99	Typhus	2
..	..	2	..	..	..	..	..	..	..	..	..	2		Enteric or Typhoid ..	..
..	..	5	..	1	..	..	4	9	..	4	..	52		Febricula	..
2	..	..	..	..	..	..	..	..	1	..	..	3	..	Ague	..
..	2	7	..	..	..	..	..	..	..	4	..	40	84	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Puerperal Fever.....	..
6	4	46	4	5	8	8	8	13	2	15	21	324	432	Bronchitis & Catarrh	9
..	..	4	..	..	..	..	..	4	..	..	..	16		Influenza	..
.	..	3	..	..	..	..	..	2	..	3	..	23	31	Pleurisy & Pneumonia.	4
1	..	9	..	..	1	..	1	2	..	6	7	74	89	Phthisis	12
..	..	5	1	..	..	1	1	..	..	..	3	49	44	Constitutional Syphilis	1
16	13	66	4	5	6	6	22	24	..	6	111	756	842	All other diseases	44
2	..	42	..	1	..	2	..	17	..	30	..	207		Accidents	4
28	24	209	11	19	21	18	38	80	7	74	150	1723	1696	.... TOTAL	82

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
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vn from the weekly returns.

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Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	1	..	1	..	1	..	1	5	6
Whooping-cough	2	3	1	3	1	1	3	..	3	2	..	19	4
Scarlatina	2	4	1	..	..	3	..	2	..	4	1	17	8
Diarrhœa	..	1	..	1	2	1	1	1	1	2	..	10	8
Fever	..	2	*a* 2	..	2	*a*2	*a* 5	..	..	..	2	15	23
Diseases of the Lungs	19	9	3	6	7	5	3	3	10	6	5	76	136
Other causes	10	6	22	*b*9	*b*16	*c*7	*c*17	9	*d* 13	11	*d*8	128	128
TOTAL NO. OF DEATHS.	34	25	29	19	29	19	30	15	28	25	17	270	313
TOTAL NO. OF BIRTHS.	46	51	8	13	14	30	22	15	30	48	24	301	313

a Typhus. *b* 4 Inquests. *c* 1 Inquest. *d* 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	4 Weeks ending 28th Dec.	TOTAL.	DISEASE.	4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	4 Weeks ending 28th Dec.	TOTAL
11	4	5	20	Small-pox	1	2	2	5
..	..	..	..	Chicken-pox	..	..	..	..
118	169	107	394	Measles	63	50	35	148
121	117	68	396	Scarlatina	113	112	98	323
2	3	1	6	Diphtheria	1	..	1	2
51	50	68	169	Whooping-cough	102	149	144	395
7	5	7	19	Croup	3	2	4	9
458	228	149	835	Diarrhœa	225	142	130	497
5	5	2	12	Dysentery	14	5	9	28
..	..	..	..	Cholera	..	..	..	..
23	38	19	80	Erysipelas	15	30	14	59
..	..	..	..	Puerperal Fever	..	7	..	7
..	..	..	..	Insanity	..	..	..	..
898	1073	797	2768	Bronchitis and Catarrh	993	1390	1193	3576
43	65	33	141	Pleurisy and Pneumonia	57	79	85	221
..	..	..	..	Carbuncle	..	..	..	..
4716	4503	2783	12002	Accidents, and all other Diseases.	4552	5599	4337	14488
6453	6260	4039	16752	TOTAL	6139	7567	6052	19758

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN DECEMBER.	Inches.	Wet Days.
Royton	4·105	18
Old Trafford	3·975	19
Penketh	3·217	23
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Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·602	29·608	29·636	29·608	NO RETURN.	29·593	29·591
Highest (Unreduced)	29·964	29·953	29·996	29·953		29·515	30·032
Lowest (Unreduced)	28·774	28·757	28·775	28·757		28·320	28·850
Range	1·190	1·196	1·221	1·196		1·195	1·182
Temperature.							
Adopted Mean	46·0	46·1	45·0	45·4		43·5	44·3
Range for Week	15·2	23·9	24·2	24·7		22·0	25·2
Daily Range	7·0	10·8	14·0	12·2		12·3	13·3
Maximum in Shade	54·2	55·9	55·0	55·3		53·5	55·5
Minimum in Shade	39·0	32·0	30·8	30·6		31·5	30·3
Temperature of Dew Point	42·1	42·0	41·3	40·5		40·3	41·0
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·861	0·867	0·871	0·833		0·883	0·880
Prevailing Winds	....	W, SW	SE	ESE, WSW		SW	S, SW
Rain	....	0·818	0·786	0·811		1·250	0·598
Ozonometer.							
Moffat	....	....	8·71	5·00		0·00	....
Schonbein	....	....	2·43	....		4·50	5·90

January 18, 1867.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, JANUARY 25, 1868. No. 391.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The last returns of disease and death are of a highly unsatisfactory character. In the week ending on Saturday, the 25th instant, 1942 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the numbers, though high, were considerably lower. The deaths at the same time among patients of the poorer class amounted to 71, being at the rate of 1 death to every 27 cases.

The most unfavourable feature in the present return is the marked increase under Continued Fever. A fortnight ago the new cases did not exceed 87, last week they rose to 123,—47 of these cases were ascribed to Typhus Fever, 18 of the latter being admitted into the Manchester Workhouse, and eight into the Chorlton.

Diseases connected with the respiratory organs (Bronchitis, Pleurisy, Pneumonia, &c.,) appear to be gaining ground, the new cases rising from 363 to 400.

The improvement under Scarlet Fever, to which reference was made in our last return, is not maintained in this, 25 instead of 16 new cases being recorded.

Whooping-Cough is still very general in certain quarters of the town,—9 new cases being seen at the Manchester Workhouse, and 9 at the Clinical Hospital.

In the case of other diseases nothing unusual was observed.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 301 deaths were registered in the eleven districts which supply returns to the Sanitary Association. In the two previous weeks the numbers were 285 and 270, 101 of the deaths, one-third of the whole number, are ascribed to diseases of the lungs, 28 to Whooping-Cough, and 16 to Scarlet Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 37·4°; at the Salford Observatory it was 38·6°; at Eccles 37·3°; and at Old Trafford 37·5°.

JOHN ED. MORGAN, M.D., M.A. Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients 8	Out-patients. 9	District I. 10	District II 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Scarlet Fever	..	..	1	2	..	6	9	..	2	2	..	..	2	..	1	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	..	2	..	..	4	6	9	..	5	..	1	..	3	9	.
Croup	..	..	...	..	..	..	..	..	..	..	..	1	..	..	..	.
Diarrhœa	1	..	..	1	..	..	2	4	..	..	..	..	1	..	..	.
Dysentery	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	.
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Erysipelas	..	..	..	..	..	..	..	2	..	3	..	..	..	..	..	.
Continued Fever	*a*9	..	2	..	..	2	13	..	..	..	..	..	..	..	..	.
Typhus	1	*b*1	..	*b*4	..	1	7	18	3	..	2	1	2	..	..	.
Enteric or Typhoid	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	.
Febricula	2	..	..	..	1	..	3	14	1	..	..	2	..	6	..	.
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Rheumatic Fever	..	..	..	..	.	..	..	..	3	15	1	..	1	..	1	.
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	3	..	..	.
Bronchitis and Catarrh	11	3	5	6	4	10	39	65	..	55	2	4	4	17	3	.
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Pleurisy and Pneumonia	..	..	..	..	..	..	..	24	1	4	1	..	1	..	..	.
Phthisis	..	1	..	..	1	..	2	15	..	24	..	2	3	..	1	.
Constitutional Syphilis	..	..	..	..	..	1	1	10	..	6	..	..	1	..	..	.
All other Diseases	29	9	23	8	6	10	85	121	22	146	8	7	6	77	37	5
Accidents	3	3	..	2	1	2	11	3	24	122	1	2	2	..	1	.
TOTAL	56	17	33	23	13	36	178	285	56	382	15	22	26	103	53	5

a 8 Removed to Workhouse. *b* Removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT.
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD.
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REEL,
(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
(13) Mr. H. RUNC
(14) „ J FINLAYS
(15) „ J OGDEN
(16) Mr. J. TEALE

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

...ONS OF MANCHESTER AND ADJOINING DISTRICTS.

...eek ending the 25th day of January, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
... 1,329					.... 477.			.. 646. ..		508	... 2650.....				Area in Statute Acres.	
... 70,967.					.. 68,209 ..			.. 44,850.		21739	.....24,448.....				Population in 1861.	
...R LAW ...STRICT	PUBLIC INSTITUTIONS.				POOR LAW DISTRICTS			Poor Law District	Dispensary.	Poor Law District	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
...6	Regent Road. 17	Workhouse. 18	Dispensary. 19	New Bailey 20	St. George's. 21	Medlock. 22	St. Philip's 23	24	25	26	27	28				
.	..	..	1	..	..	..	..	..	..	..	..	1	2	1	Small-pox	..
.	..	..	3	..	..	..	..	..	..	..	..	..	3	10	Measles	..
1	2	..	2	..	..	..	1	..	2	..	1	..	25	7	Scarlet Fever.	4
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
.	..	1	5	..	3	..	..	..	..	..	3	..	45	7	Whooping-cough	..
.	..	..	..	..	..	..	..	..	..	..	..	..	1	4	Croup	..
1	2	..	6	2	..	2	1	..	1	..	1	5	32	33	Diarrhœa	..
.	..	..	..	..	..	..	1	..	1	..	..	..	2	1	Dysentery	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
.	..	..	1	..	1	..	..	..	..	..	..	..	7	5	Erysipelas	..
1	..	3	3	..	..	..	..	..	..	..	...	..	20		Continued Fever	..
.	1	..	2	..	..	..	..	63	..	..	..	8	47	92	Typhus	6
.	1	..	1	..	..	..	1	..	..	..	..	..	5		Enteric or Typhoid ..	..
.	4	..	4	..	2	..	..	1	8	2	2	..	51		Febricula	1
.	1	..	..	..	..	..	..	..	..	..	..	..	1	..	Ague	..
.	..	..	4	..	..	..	1	1	1	..	5	..	33	65	Rheumatic Fever	..
.	..	..	..	..	..	..	..	..	..	..	..	..	3	..	Puerperal Fever.....	..
9	14	1	42	3	3	9	12	11	9	3	17	25	360		Bronchitis & Catarrh	11
	..	..	2	..	..	..	..	..	..	..	2	..	4	430	Influenza	..
	.	..	3	1	..	..	..	..	..	..	..	1	36	..	Pleurisy & Pneumonia.	5
	1	1	11	1	2	1	1	1	4	..	2	5	80	95	Phthisis	17
	..	..	7	1	..	..	..	3	..	..	..	4	36	44	Constitutional Syphilis	..
	30	13	75	5	13	7	13	32	32	11	15	132	896	881	All other diseases	25
	2	..	39	..	1	..	..	3	19	..	20	..	253		Accidents	2
	58	19	211	13	25	19	31	55	77	16	68	181	1942	1675	TOTAL...	71

...indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

...the reports of the Association, and has as far as practicable, been taken into account in the conclusions ...wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	2	..	..	..	1	3	10
Whooping-cough	2	6	..	2	1	1	3	2	2	6	3	28	4
Scarlatina	2	1	..	..	1	2	2	1	e5	2	..	16	5
Diarrhœa	1	..	..	..	..	1	..	..	..	..	..	2	6
Fever	1	4	b5	..	..	2	1	..	..	..	..	13	13
Diseases of the Lungs	21	14	11	11	3	10	2	6	6	15	2	101	156
Other causes	13	a 17	25	c3	a15	d7	c12	7	13	20	c 6	138	206
TOTAL NO. OF DEATHS.	40	42	41	16	20	23	22	16	26	43	12	301	400
TOTAL NO. OF BIRTHS.	34	42	22	18	20	27	27	21	33	59	22	328	280

a 3 Inquests. *b* Typhus. *c* 2 Inquests. *d* 1 Inquest. *e* 3 In one Family.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	4 Weeks ending 28th Dec.	TOTAL.	DISEASE.	4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	4 Weeks ending 28th Dec.	TOTAL
11	4	5	20	Small-pox	1	2	2	5
..	..	..	..	Chicken-pox	..	..	..	..
118	169	107	394	Measles	63	50	35	148
121	117	68	396	Scarlatina	113	112	98	323
2	3	1	6	Diphtheria	1	..	1	2
51	50	68	169	Whooping-cough	102	149	144	395
7	5	[illegible]	19	Croup	3	2	4	9
458	228	149	855	Diarrhœa	225	142	130	497
5	5	2	12	Dysentery	14	5	9	28
..	..	..	..	Cholera	..	..	..	..
23	38	19	80	Erysipelas	15	30	14	59
..	..	..	..	Puerperal Fever	..	[illegible]	..	[illegible]
..	..	..	..	Insanity	..	..	..	..
898	1073	797	2768	Bronchitis and Catarrh	993	1390	1193	3576
43	65	33	141	Pleurisy and Pneumonia	57	79	85	221
..	..	..	..	Carbuncle	..	..	..	..
4716	4503	2783	12002	Accidents, and all other Diseases.	4552	5599	4337	14488
6453	6260	4039	16752	TOTAL	6139	7567	6052	19758

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN DECEMBER.	Inches.	Wet Days.
Royton	4·105	18
Old Trafford	3·975	19
Penketh	3·217	23
Eccles	....	..
Wilmslow	....	..

	Royal Infirmary, Dr. Reed.	Salford Meteorological Observatory, T. Mackereth, Esq.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq.	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq.
Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.		INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·507	29·521	29·507	29·561	29·502	NO RETURN.
Highest (Unreduced)		30·095	30·142	30·095	29·990	29·686	
Lowest (Unreduced)		28·756	28·764	28·756	28·674	28·307	
Range		1·339	1·378	1·339	1·326	1·379	
Temperature.							
Adopted Mean		38·6	37·5	37·3	36·7	35·6	
Range for Week		14·6	20·0	20·1	21·1	20·4	
Daily Range		7·3	8·6	9·0	9·3	8·2	
Maximum in Shade		44·6	46·0	45·4	45·3	44·0	
Minimum in Shade		30·0	26·0	25·3	24·2	23·6	
Temperature of Dew Point		33·2	33·6	34·0	33·6	33·6	
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)		0·818	0·867	0·881	0·885	0·927	
Prevailing Winds		NE	SW, SE, NE	NE	SW, NE	SE. NE	
Rain		0·758	0·854	0·856	0·699	0·660	
Ozonometer.							
Moffat		....	2·71	2·43	0·00	....	
Schonbein		....	0·86	....	4·44	4·80	

January 25, 1867.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, FEBRUARY 1, 1868. No. 392.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continue high. In the week ending on Saturday, the 1st instant, 1761 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two previous weeks the numbers were 1723 and 1942. The deaths at the same time among patients of the poorer class were very numerous, amounting to 76, being at the rate of 1 death to every 24 cases.

It is satisfactory to find a considerable improvement under Continued Fever. In our previous returns 123 new cases of this disease were entered; last week the numbers did not exceed 84; 28 of these cases are ascribed to Typhus Fever.

Scarlet Fever still continues prevalent in many quarters of the town, 6 new patients being attended by the medical staff of the Ardwick and Ancoats dispensary, and 4 applying for relief at the Salford Hospital.

A large number of the younger portion of the population is still suffering from Whooping-Cough which has now for a considerable time assumed that degree of intensity which we are accustomed to associate with the term "epidemic." It does not as yet show any signs of abatement.

The attacks of Bronchitis and kindred affections of the chest fell from 400 to 369, an improvement it is true, though not to the extent that could be desired.

In so far as other diseases are concerned nothing unusual was observed.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 255 deaths were registered in the eleven districts which supply returns to the Sanitary Association, 67 of these deaths are ascribed to diseases of the lungs, 26 to Scarlet Fever, and 22 to Whooping-Cough.

The mortality from the two last affections is lamentably high, and sufficiently testifies how urgent is the need for an Officer of Health.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 42·7°, or 4·5 above the average; at the Salford Observatory it was 44·3°; at Eccles 44·0°; and at Old Trafford 43·7°. In the suburbian stations generally the quantity of ozone was unusually large.

JOHN ED. MORGAN, M.D., M.A. Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INS

New Cases of Disease coming under Treatment Duri

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..
Scarlet Fever	1	..	..	3	1	2	7	..	..	..	..	1	..	..	2	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	2	..	..	1	3	6	6	..	6	..	..	..	6	8	..
Croup	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	1	..	..	..	..	1	4	..	3	..	..	1	2	..	2
Dysentery	1	..	..	..	..	..	1	.	..	2	..	..	..	1	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	3	..	..	..	..	..	1	..	..
Continued Fever	*a*4	..	3	..	1	..	8	..	..	..	..	..	..	..	..	..
Typhus	..	..	..	..	..	1	1	14	3	..	..	1	..	..	..	..
Enteric or Typhoid	..	..	..	..	1	..	1	2	..	..	..	1	..	..	..	..
Febricula	..	..	..	..	..	1	1	6	..	..	2	..	..	5	..	..
Ague	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	14	4	18	1	..	1	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	5	6	3	6	3	6	29	60	..	56	8	7	5	4	5	3
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia	1	..	..	3	..	..	4	21	1	5	..	..	1	..	..	..
Phthisis	..	..	..	..	..	1	1	16	1	15	..	1	1	1	6	..
Constitutional Syphilis	1	..	..	..	..	..	1	16	..	17	..	..	1	1	2	2
All other Diseases	12	6	14	10	6	12	60	115	24	116	1	9	8	73	38	3
Accidents	..	..	2	2	..	..	4	4	15	109	..	3	3	..	..	..
TOTAL	25	15	22	24	13	26	125	281	49	348	12	23	21	95	61	10

a 2 Removed to Workhouse. *b* Removed to Workhouse. *c* 1 Removed to Workhouse.

Medical Officers to whom the Associatio

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SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 1st day of February, 1868.

	SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
	1,329				477			646		508	2650				Area in Statute Acres.
	70,967				68,209			44,850		21739	24,448				Population in 1861.
	POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
	17	18	19	20	21	22	23	24	25	26	27	28				
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Small-pox	..
	2	..	2	..	..	1	..	1	..	..	..	..	9	4	Measles	..
	2	..	4	..	..	..	..	..	1	..	6	..	24	8	Scarlet Fever	2
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
	..	..	6	..	1	..	..	..	2	..	3	1	45	3	Whooping-cough	3
	1	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	..
	..	..	3	1	..	..	..	..	1	..	1	9	28	33	Diarrhœa	..
	..	..	..	..	..	..	..	..	1	..	..	..	6	5	Dysentery	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
	..	..	1	..	..	..	..	..	1	..	..	..	6	5	Erysipelas	..
	..	7	4	..	..	2	..	..	1	1	...	..	23		Continued Fever	1
	1	..	2	..	..	..	..	c2	..	..	..	3	28	83	Typhus	8
	..	..	2	..	..	..	..	..	..	..	..	..	6		Enteric or Typhoid	1
	..	..	3	..	2	..	2	2	4	..	..	..	27		Febricula	..
	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Ague	..
	..	1	7	..	..	..	..	..	1	..	..	..	47	61	Rheumatic Fever	..
	..	..	..	..	..	2	..	..	..	..	..	..	2	..	Puerperal Fever	..
	10	1	46	4	6	12	2	6	7	4	10	21	324	417	Bronchitis & Catarrh	13
	..	..	3	..	..	..	..	..	2	..	..	..	6		Influenza	..
	..	..	2	..	..	..	..	..	1	..	2	1	39	36	Pleurisy & Pneumonia.	2
	3	..	12	..	4	2	..	3	1	..	3	3	73	74	Phthisis	11
	2	..	4	2	..	..	..	1	..	..	..	4	53	53	Constitutional Syphilis	..
	28	14	87	3	8	7	11	17	29	4	13	92	779	984	All other diseases	27
	..	..	54	..	1	..	1	2	15	..	22	..	224		Accidents	8
	49	23	242	10	22	26	16	34	67	9	60	134	1761	1766	... TOTAL	76

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,
(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

e reports of the Association, and has as far as practicable, been taken into account in the conclusions n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	1	..	1	..	..	..	..	2	4
Whooping-cough	1	3	1	3	2	1	2	1	..	7	1	22	5
Scarlatina	3	5	..	..	5	5	2	1	1	3	1	26	11
Diarrhœa	..	2	..	..	..	..	..	1	..	..	2	5	3
Fever	1	1	*a*1	1	..	..	3	..	..	*d*3	1	11	21
Diseases of the Lungs	10	9	7	3	4	12	2	1	4	12	3	67	107
Other causes	13	12	10	*b*5	14	*b*12	*c*20	5	*b*7	19	5	122	119
TOTAL NO. OF DEATHS.	28	32	19	12	26	30	30	9	12	44	13	255	270
TOTAL NO. OF BIRTHS.	44	62	15	13	17	28	31	21	28	57	23	339	357

a Typhus. *b* 1 Inquest. *c* 2 Inquests. *d* 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	4 Weeks ending 28th Dec.	TOTAL.	DISEASE.	4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	4 Weeks ending 28th Dec.	TOTAL
11	4	5	20	Small-pox	1	2	2	5
..	..	..	..	Chicken-pox	..	..	..	..
118	169	107	394	Measles	63	50	35	148
121	117	68	396	Scarlatina	113	112	98	323
2	3	1	6	Diphtheria	1	..	1	2
51	50	68	169	Whooping-cough	102	149	144	395
7	5	7	19	Croup	3	2	4	9
458	228	149	835	Diarrhœa	225	142	130	497
5	5	2	12	Dysentery	14	5	9	28
..	..	..	..	Cholera	..	..	..	..
23	38	19	80	Erysipelas	15	30	14	59
..	..	..	..	Puerperal Fever	..	7	..	7
..	..	..	..	Insanity	..	..	..	..
898	1073	797	2768	Bronchitis and Catarrh	993	1390	1193	3576
43	65	33	141	Pleurisy and Pneumonia	57	79	85	221
..	..	..	..	Carbuncle	..	..	..	..
4716	4503	2783	12002	Accidents, and all other Diseases.	4552	5599	4337	14488
6453	6260	4039	16752	TOTAL	6139	7567	6052	19758

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JANUARY

	Inches.	Wet Days.
Royton	4·065	19
Old Trafford	2·764	21
Penketh	2·234	16
Wilmslow	2·061	20
Eccles	....	..

	Royal Infirmary, Dr. Reed.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq.	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq.
Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·914	29·915	29·914	29·927	29·906	29·914
Highest (Unreduced)		30·167	30·218	30·167	30·132	29·786	30·328
Lowest (Unreduced)		28·923	28·916	28·923	28·826	28·434	29·028
Range		1·244	1·302	1·244	1·306	1·352	1·300
Temperature.							
Adopted Mean		44·3	43·7	44·0	43·3	41·5	44·9
Range for Week		18·4	23·5	20·7	19·7	23·0	21·8
Daily Range		8·7	12·3	9·4	10·1	11·1	9·6
Maximum in Shade		54·3	55·0	53·3	53·3	52·0	53·3
Minimum in Shade		35·9	31·5	32·6	33·6	29·0	31·5
Temperature of Dew Point		39·0	40·6	39·6	39·1	39·0	40·8
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·815	0·888	0·840	0·850	0·908	0·856
Prevailing Winds		W, NW	S, SW	W, NW	SW	NW, SW	NW, SW
Rain		1·125	0·915	1·052	0·689	1·625	0·736
Ozonometer.							
Moffat		0·57	7·86	6·43	0·00	....	....
Schonbein		....	3·86	....	6·71	6·80	6·80

February 1, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, FEBRUARY 8, 1868. No. 393.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 8th instant, 1638 new cases of disease were observed in the public practice of Manchester and Salford. The deaths for the same period among patients of the poorer class amounted to 64, being at the rate of 1 death to every 25 cases.

The returns contrast favourably with those of the preceding week. There is a marked decrease in all the diseases tabulated, with the exceptions of Scarlatina, Diarrhœa, and Acute Rheumatism. The increase in cases of Scarlatina and Acute Rheumatism is slight, but that of Diarrhœa is more marked.

The most striking change is noticeable under Diseases of the Lungs; a fortnight ago there were 400 new cases, last week they fell to 277.

Typhus Fever continues to subside, 16 cases are returned against 28 in the previous week, and 47 in the week ending on January the 25th.

Diphtheria figures in the present return after a long absence. Two cases are reported, one was treated in the Royal Infirmary, the other occurred in the Chorlton district.

There is a considerable decline in the cases of Whooping-Cough. The number has fallen to 27 from 45 in each of the two previous weeks.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 244 deaths were registered in the eleven districts which supply returns to the Sanitary Association, 64 of the deaths were caused by diseases of the lungs, 16 by Fever, and 19 eaah by Scarlatina and Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 41·2° (being 2·9 above the average of the corresponding week in 50 years); at the Salford Observatory it was 42·5°; at Eccles 41·6°; and at Old Trafford 41·3°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment Dur

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..
Scarlet Fever	..	1	1	4	2	..	8	..	..	..	..	2	1	..	1	..
Diphtheria	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Whooping-cough	3	..	..	..	..	1	4	1	..	3	..	..	1	3	6	..
Croup	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	1	1	..	..	1	3	2	..	7	..	..	2	6	4	3
Dysentery	..	..	..	..	..	..	..	.	..	..	..	..	..	1	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	4	..	1	1	..	..	2	..	..
Continued Fever	*a*2	..	4	..	..	..	6	..	..	..	..	..	..	4	..	..
Typhus	..	.	..	..	..	..	..	10	..	..	1	1	3	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	2	1	1	..	1	..	..	..	..
Febricula	..	..	1	1	..	4	6	2	..	..	..	..	..	4	..	2
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	3	..	..	3	6	4	21	2	1	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	6	6	1	5	5	6	29	20	1	39	2	..	5	13	9	4
Influenza	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..
Pleurisy and Pneumonia	..	..	..	1	..	..	1	5	..	1	..	..	1	..	1	..
Phthisis	..	1	1	1	..	..	3	9	..	21	..	2	1	2	2	2
Constitutional Syphilis	1	..	..	..	..	..	1	14	..	13	2	1	2	2	1	3
All other Diseases	19	16	13	10	4	11	73	70	17	111	3	3	10	67	36	2
Accidents	1	..	..	2	..	1	4	10	23	91	..	2	3	..	..	..
TOTAL	32	25	22	27	11	24	141	155	47	312	11	13	29	106	60	15

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REED,

(9), (10), (11), (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN

(13) Mr. H. RUNCORN
(14) ,, J FINLAYSON
(15) ,, J OGDEN FL
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

INS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 8th day of February, 1868.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329				477			646		508	2650				Area in Statute Acres.	
70,967				68,209			44,850		21739	24,448				Population in 1861.	
Poor Law District	Public Institutions.			Poor Law Districts			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's									
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Small-pox	..
..	..	..	..	..	1	..	..	..	..	..	1	4	17	Measles	..
3	..	2	..	..	2	..	1	3	..	3	..	26	10	Scarlet Fever	2
..	..	..	..	..	..	..	1	..	..	..	..	2	..	Diphtheria	..
..	..	7	..	..	..	..	..	..	..	2	..	27	5	Whooping-cough	3
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
..	..	2	..	..	..	..	..	1	..	..	14	45	34	Diarrhœa	1
..	..	..	..	..	..	1	..	..	..	..	..	2	3	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
..	..	2	..	..	..	1	..	1	..	..	..	12	8	Erysipelas	..
1	5	3	..	..	2	..	..	..	..	...	..	23	85	Continued Fever	..
..	..	1	..	..	..	..	..	..	..	..	..	16		Typhus	4
..	..	1	..	..	..	..	..	..	..	..	..	6		Enteric or Typhoid	1
4	..	2	..	..	..	1	1	3	..	3	..	28		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	4	..	1	1	1	..	1	..	4	..	49	73	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever	..
12	..	41	3	4	7	4	5	15	1	8	22	247	264	Bronchitis & Catarrh	8
..	..	2	..	..	..	..	..	..	..	..	..	5		Influenza	..
..	..	3	..	..	..	..	..	4	1	2	6	25	29	Pleurisy & Pneumonia	2
..	..	9	..	2	..	..	1	2	..	3	9	68	76	Phthisis	12
..	..	5	..	..	..	..	..	..	..	..	10	54	35	Constitutional Syphilis	..
18	15	81	4	13	6	16	20	30	9	8	122	745	813	All other diseases	27
..	..	60	..	1	..	1	1	23	1	33	1	254		Accidents	4
38	20	225	7	21	19	25	30	83	12	66	185	1638	1453	TOTAL	64

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
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(20) Dr. BRADDON,

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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	1	..	..	..	..	..	..	..	1	7
Whooping-cough	2	3	..	2	1	4	2	2	..	2	1	19	6
Scarlatina	6	1	..	..	2	..	2	..	1	4	3	19	5
Diarrhœa	..	..	..	..	..	3	1	..	1	..	..	5	6
Fever	1	2	*a*7	..	..	..	*d*4	1	..	1	..	16	18
Diseases of the Lungs	12	7	12	3	4	10	1	1	4	6	4	64	90
Other causes	12	12	22	*b*5	9	*c*5	17	6	*b*2	18	2	120	120
TOTAL NO. OF DEATHS.	33	25	41	11	16	22	27	10	18	31	10	244	252
TOTAL NO. OF BIRTHS.	58	47	26	10	17	40	28	17	27	62	29	361	331

a 6 Typhus and 1 Typhoid. *b* 3 Inquests. *c* 2 Inquests. *d* 3 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

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	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Es	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq
Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·992	30·001	29·992	29·995	29·989	29·999
Highest (Unreduced)		30·203	30·288	30·203	30·078	29·747	30·326
Lowest (Unreduced)		29·475	29·444	29·475	29·386	29·018	29·580
Range		0·728	0·844	0·728	0·892	0·729	0·746
Temperature.							
Adopted Mean		42·5	41·3	41·6	39·5	38·9	41·5
Range for Week		15·2	16·4	17·2	21·4	15·8	20·6
Daily Range		8·6	10·4	9·6	11·4	9·9	10·9
Maximum in Shade		49·2	49·4	49·3	48·1	47·4	49·7
Minimum in Shade		34·0	33·0	32·1	26·7	31·6	29·1
Temperature of Dew Point		36·5	36·6	33·6	34·4	35·9	36·8
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·801	0·838	0·740	0·822	0·940	0·833
Prevailing Winds		W, W, SW	S, SW	WNW, WSW	W, SW	SW	W, SW
Rain		0·587	0·048	0·602	0·631	1·165	0·737
Ozonometer.							
Moffat		0·28	4·86	4·00	0·00	....	....
Schonbein		....	1·71	....	6·00	5·20	7·20

February 8, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, FEBRUARY 15, 1868. No.394.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 15th instant, 1633 new cases of disease were observed in the public practice of Manchester and Salford. The deaths for the same period among these patients amounted to 79, being at the rate of 1 death to every 21 cases.

The present return does not materially differ from that of the preceding week, the number of new cases is a little less but the mortality is greater.

The cases of continued fever have risen, from 73 in the previous return, to 120; 26 proved to be cases of Typhus, the remainder consisting of the milder forms of fever and febricula.

Owing to the continued fine weather the improvement in diseases of the Respiratory Organs, reported last week, is still maintained.

Rheumatic Fever is slowly but steadily becoming more prevalent, and has now reached the highest point for the present winter. It has hitherto prevailed much less than in the corresponding season of last year.

Scarlet Fever is very generally distributed through the several districts, and seems to be gaining ground.

Whooping-Cough remains about the same as in the previous return.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 260 deaths were registered in the eleven districts which supply returns to the Sanitary Association, 74 of the deaths were caused by diseases of the lungs, 26 by Scarlatina, 7 by Fever, and 12 by Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 40·9°; at the Salford Observatory 42·8°; at Eccles 41·8°; and at Old Trafford 41·8°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	1	..	..	..	..	..	2	..
Scarlet Fever	5	..	2	2	2	..	11	..	2	..	..	..	3	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	1	..	..	..	..	1	1	..	2	..	..	..	10	4
Croup	..	..	...	..	..	..	..	..	..	..	..	..	..	1	..
Diarrhœa	..	..	1	1	..	..	2	4	..	3	..	..	2	2	3
Dysentery	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	1	1	..	..	..	..	2	3	..	2	..	..	..	..	..
Continued Fever	a5	1	4	..	a3	1	14	..	..	..	..	..	..	6	..
Typhus	1	..	..	..	..	..	1	10	1	..	..	2	1	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Febricula	4	..	..	..	..	1	5	15	1	..	1	2	..	19	2
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	1	..	1	7	2	30	2	2	1	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..
Bronchitis and Catarrh	1	4	8	2	4	5	24	38	1	49	3	..	..	21	4
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia	..	..	..	..	..	..	..	10	4	1	..	..	..	..	..
Phthisis	..	..	..	2	1	1	4	11	..	24	2	..	3	2	2
Constitutional Syphilis	..	..	..	..	..	..	..	18	1	10	..	..	..	..	1
All other Diseases	22	11	12	4	4	6	59	84	10	108	5	3	8	39	73
Accidents	3	1	..	4	..	3	11	7	18	75	4	..	..	..	..
TOTAL	42	19	27	15	15	17	135	211	46	304	17	9	18	102	89

a Removed to Workhouse.

Medical Officers to whom the Associai

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
(13) Mr. H. RUNC
(14) „ J FINLAY
(15) „ J OGDEN
(16) „ J. TEALI

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

eek ending the 15th day of February, 1868.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
R LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	1	2	..	Small-pox	..
..	..	1	..	..	..	..	1	..	..	..	..	5	8	Measles	..
..	..	2	..	..	..	1	3	2	3	2	..	29	7	Scarlet Fever.....	4
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	1	8	..	1	..	..	..	..	..	..	..	28	11	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	..
..	..	5	3	2	..	1	..	2	..	1	4	38	33	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	1	..	..	..	..	..	1	..	..	..	9	6	Erysipelas	..
..	..	4	..	..	4	..	..	1	..	...	..	33	58	Continued Fever	1
..	6	2	..	..	..	..	1	..	..	..	1	26		Typhus	7
..	..	1	..	..	..	..	..	..	..	..	..	2		Enteric or Typhoid ..	..
..	..	3	..	..	..	1	2	4	..	2	1	59		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	5	..	..	1	..	1	2	..	3	..	57	69	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
5	1	39	5	6	5	5	3	8	1	5	17	254	245	Bronchitis & Catarrh	10
..	..	1	..	..	..	..	..	3	..	..	..	4		Influenza	..
.	7	3	..	2	..	1	..	1	..	..	..	29	31	Pleurisy & Pneumonia.	4
2	1	11	1	2	1	..	..	3	..	2	1	73	93	Phthisis	16
..	..	7	1	..	..	..	..	..	..	2	3	45	42	Constitutional Syphilis	..
20	17	80	2	7	5	10	24	27	6	16	94	717	937	All other diseases	33
2	..	51	..	..	..	1	1	20	..	30	..	222		Accidents	3
29	33	224	12	20	16	20	36	74	10	63	122	1633	1543	... TOTAL	79

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

ne reports of the Association, and has as far as practicable, been taken into account in the conclusions rn from the weekly eturns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tushp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	..	..	1	1	..	3	5
Whooping-cough	2	3	..	1	..	1	2	..	1	1	1	12	1
Scarlatina	9	1	..	..	3	..	4	..	2	4	3	26	3
Diarrhœa	..	..	1	..	1	1	2	..	..	1	..	6	7
Fever	..	1	*a*4	..	..	..	..	..	*a*1	1	..	7	13
Diseases of the Lungs	9	11	3	5	3	10	3	2	8	12	8	74	65
Other causes	20	12	24	*b*5	*b*11	*c*4	*b*13	5	10	20	*b*8	132	151
TOTAL NO. OF DEATHS.	41	28	32	11	18	16	24	7	23	40	20	260	245
TOTAL NO. OF BIRTHS.	50	57	11	22	17	46	18	26	30	69	27	373	408

a Typhus. *b* 1 Inquest. *c* 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 *Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.*
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	4 Weeks ending 28th Dec.	TOTAL.	DISEASE.	4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	4 Weeks ending 28th Dec.	TOTAL
11	4	5	20	Small-pox	1	2	2	5
..	..	..	..	Chicken-pox	..	..	..	..
118	169	107	394	Measles	63	50	35	148
121	117	68	396	Scarlatina	113	112	98	323
2	3	1	6	Diphtheria	1	..	1	2
51	50	68	169	Whooping-cough	102	149	144	395
7	5	7	19	Croup	3	2	4	9
458	228	149	835	Diarrhœa	225	142	130	497
5	5	2	12	Dysentery	14	5	9	28
..	..	..	..	Cholera	..	..	..	..
23	38	19	80	Erysipelas	15	30	14	59
..	..	..	..	Puerperal Fever	..	7	..	7
..	..	..	..	Insanity	..	..	..	..
898	1073	797	2768	Bronchitis and Catarrh	993	1390	1193	3576
43	65	33	141	Pleurisy and Pneumonia	57	79	85	221
..	..	..	..	Carbuncle	..	..	..	..
4716	4503	2783	12002	Accidents, and all other Diseases.	4552	5599	4337	14488
6453	6260	4039	16752	TOTAL	6139	7567	6052	19758

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JANUARY	Inches.	Wet Days.
Royton	4·065	19
Eccles	2·995	19
Salford	2·853	18
Old Trafford	2·764	21
Penketh	2·234	16
Wilmslow	2·061	20

	Royal Infirmary, Dr. Reed.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq.	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq.
Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	30·324	30·326	30·324	30·346	30·310	30·315
Highest (Unreduced)		30·477	30·498	30·477	30·388	30·027	30·582
Lowest (Unreduced)		29·805	29·806	29·805	29·790	29·360	29·904
Range		0·672	0·692	0·672	0·598	0·667	0·678
Temperature.							
Adopted Mean		42·8	41·8	41·8	41·1	40·7	42·3
Range for Week		20·5	24·8	24·4	19·9	21·5	27·6
Daily Range		8·2	12·9	9·8	10·3	10·8	11·0
Maximum in Shade		49·1	50·6	49·4	48·3	47·5	51·1
Minimum in Shade		28·8	25·8	25·0	28·4	23·0	23·5
Temperature of Dew Point		38·7	39·4	39·6	37·9	38·4	39·2
Hygrometrical condition of the Atmosphere.							
Degree of Humidity (Saturation—1,000)		GRS. 0·857	GRS. 0·922	GRS. 0·928	GRS. 0·883	GRS. 0·913	GRS. 0·885
Prevailing Winds		WNW, WSW	SW, S	WNW, WSW	SW, W	W, SW	NW, SW
Rain		0·113	0·135	0·143	0·200	0·280	0·166
Ozonometer.							
Moffat		0·18	3·43	4·14	0·00	....	....
Schonbein		....	0·43	....	7·40	3·20	5·80

February 15, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, FEBRUARY 22, 1868. No.395.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 22nd instant, 1554 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding week the number was 1633. The deaths among these patients amounted to 63, being at the rate of 1 death to every 24 cases. This shows an improvement upon the previous return, both in respect to the number of sick cases and the rate of mortality.

It is satisfactory to report a decrease in all the diseases tabulated.

The seizures from Continued Fever have fallen from 120 in the preceding week to 100, 42 of these are returned as cases of Typhus.

There is a marked improvement in the diseases principally affecting the younger portion of the community; under Measles we have 1 case only, Scarlatina numbers 15 against 29 in the return of last week, and the cases of Whooping-Cough have fallen from 28 to 24.

Acute Rheumatism has declined, 37 cases being returned instead of 57.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 244 deaths were registered in the eleven districts which supply returns to the Sanitary Association, 66 of these deaths were caused by diseases of the lungs, 23 by Scarlatina, and 22 by Fever.

In the return of the Registrar General for last week it is stated that a person died in London of Choleraic Diarrhœa.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 42·4°; at the Salford Observatory it was 41·4°; at Eccles 40·3°; and at Old Trafford 39·9°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment 1

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	1	..	..	..	2	..	3	..	..	..	..	..	2	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	1	1	1	..	1	..	..	..	4	5
Croup	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	1	..	..	..	..	..	1	2	..	7	..	..	..	2	2
Dysentery	..	..	..	..	..	..	..	.	..	..	..	..	..	2	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	2	..	2	..	..	..	..	..
Continued Fever	*a*2	..	1	..	*b*4	..	7	..	..	..	..	..	..	..	..
Typhus	..	..	..	..	..	*a*3	3	19	7	..	..	1	3	..	..
Enteric or Typhoid	..	..	..	..	1	..	1	2	..	..	..	..	..	..	..
Febricula	2	..	..	..	..	..	2	4	..	..	..	..	..	7	1
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	2	2	18	1	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..
Bronchitis and Catarrh	8	5	2	4	2	6	27	17	..	35	..	1	2	22	6
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia	1	..	..	..	..	..	1	5	1	3	1	1	..	..	2
Phthisis	..	..	..	2	..	..	2	9	1	25	1	4	3	1	2
Constitutional Syphilis	..	..	..	..	..	1	1	10	..	15	..	..	..	..	..
All other Diseases	8	7	13	6	..	8	42	64	20	118	8	2	10	66	57
Accidents	1	1	1	3	3	3	12	10	15	103	..	1	..	..	..
TOTAL	24	13	17	15	12	22	103	147	46	327	11	10	20	104	75

a Removed to Workhouse. *b* 3 Removed to Workhouse.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
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(13) Mr. H. RUNCOR
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(16) „ J. TEALE,

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ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 22nd day of February, 1868.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
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70,967				68,209			44,850		21739	24,448				Population in 1861.	
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anccats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	...	..	..	Small-pox	..
..	..	1	..	..	..	..	..	..	..	..	..	1	16	Measles	..
..	..	4	..	1	..	..	..	3	..	2	..	15	11	Scarlet Fever	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	7	..	..	2	3	..	..	..	..	..	24	4	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Croup	..
..	..	3	2	2	..	..	..	1	1	1	4	34	31	Diarrhœa	1
..	..	..	..	..	..	..	..	1	..	..	..	3	5	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
..	..	..	..	..	..	..	..	1	..	..	..	5	9	Erysipelas	..
..	4	5	..	a2	1	..	..	2	a1	1	..	25		Continued Fever	..
..	..	2	..	a2	..	..	..	..	..	..	5	42	65	Typhus	5
..	..	1	..	..	..	..	1	..	..	..	..	5		Enteric or Typhoid	..
..	..	4	..	..	..	1	1	5	1	2	..	28		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	1	8	..	..	1	..	..	1	..	3	..	37	60	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever	..
5	..	43	6	6	8	10	3	14	4	6	18	252		Bronchitis & Catarrh	10
..	..	..	..	..	..	..	..	3	..	..	..	5	231	Influenza	..
..	..	2	..	..	..	..	..	2	..	..	..	18	29	Pleurisy & Pneumonia.	1
2	1	13	1	1	1	..	3	4	..	3	3	82	73	Phthisis	16
..	..	5	2	..	..	..	1	..	..	1	4	42	22	Constitutional Syphilis	1
31	19	44	3	10	5	15	21	17	6	10	92	681	1013	All other diseases	19
1	..	50	..	..	..	1	3	23	1	27	..	255		Accidents	6
39	25	192	14	24	18	30	33	77	14	56	126	1554	1571	TOTAL	63

lebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

reports of the Association, and has as far as practicable, been taken into account in the conclusions from the weekly eturns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	..	..	..	..	..	..	..	..	1	..	..	1	4
Whooping-cough	4	1	1	..	..	..	..	..	..	2	1	9	4
Scarlatina	5	4	..	..	4	2	3	1	..	3	1	23	8
Diarrhœa	..	..	..	..	..	2	2	..	..	2	..	6	5
Fever	2	2	*a*4	1	..	1	*c*5	6	*a*1	..	..	22	20
Diseases of the Lungs	8	9	10	6	3	7	3	1	5	5	9	66	76
Other causes	14	17	17	7	12	*b*6	*d*13	7	*d*5	17	2	117	122
TOTAL NO. OF DEATHS.	33	33	32	14	19	18	26	15	12	29	13	244	240
TOTAL NO. OF BIRTHS.	47	33	22	16	12	43	28	25	28	57	24	335	321

a Typhus. *b* 2 Inquests. *c* 4 Typhus and 1 Remittent. *d* 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Nov.	4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	TOTAL.	DISEASE.	5 Weeks ending 30th Nov.	4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	TOTAL
4	5	5	14	Small-pox	2	2	2	6
..	..	..	..	Chicken-pox	..	..	..	..
169	107	76	352	Measles	50	35	21	106
117	68	29	214	Scarlatina	112	98	81	291
3	1	2	6	Diphtheria	..	1	..	1
50	68	82	200	Whooping-cough	149	144	198	491
5	7	1	13	Croup	2	4	3	9
228	149	126	503	Diarrhœa	142	130	123	395
5	2	2	9	Dysentery	5	9	7	21
..	..	..	..	Cholera	..	..	..	..
38	19	16	73	Erysipelas	30	14	25	69
..	..	..	..	Puerperal Fever	7	..	5	12
..	..	..	..	Insanity	..	..	..	..
1073	797	861	2731	Bronchitis and Catarrh	1390	1193	1380	3963
65	33	39	137	Pleurisy and Pneumonia	79	85	104	268
..	..	..	..	Carbuncle	..	..	..	..
4503	2783	3309	10595	Accidents, and all other Diseases.	5599	4337	5112	15048
6260	4039	4548	14847	TOTAL	7567	6052	7061	20680

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JANUARY

	Inches.	Wet Days.
Royton	4·065	19
Eccles	2·995	19
Salford	2·853	18
Old Trafford	2·764	21
Penketh	2·234	16
Wilmslow	2·061	20

	Royal Infirmary, Dr. Reed.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq
Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·976	29·980	29·976	29·973	29·942	29 960
Highest (Unreduced)		30 355	30·364	30·355	30·264	29·890	30·456
Lowest (Unreduced)		29·559	29·471	29·559	29 366	29·050	29·617
Range		0·796	0·893	0·796	0·898	0·840	0·839
Temperature.							
Adopted Mean		41·4	39·9	40·3	40·0	38·9	40·5
Range for Week		18·6	26·3	23·4	21·9	27·1	28·2
Daily Range		10·5	17·0	14·0	11·8	12·7	14·4
Maximum in Shade		50·6	53·3	50·5	49·2	51·0	53·0
Minimum in Shade		32·0	27·0	27·1	27·3	23·9	24·8
Temperature of Dew Point		36·5	36·0	36·2	35·9	36·3	37·1
Hygrometrical condition of the Atmosphere.							
Degree of Humidity (Saturation—1,000)		GRS. 0·832	GRS. 0·864	GRS. 0·859	GRS. 0·854	GRS. 0·903	GRS. 0·877
Prevailing Winds		W, SW	S, SE	W, WSW	S, SW	SW	SW, SE
Rain		0·546	0·603	0·697	0·736	1·030	0·495
Ozonometer.							
Moffat		0·33	5·43	4·28	0·00	....	....
Schonbein		....	2·14	....	4·40	5·80	6·30

February 22, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, FEBRUARY 29, 1868. No. 396.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 29th February, 1520 new cases of disease were observed in the public practice of Manchester and Salford. In the previous two weeks the numbers were 1554 and 1633. There is also an improvement in the rate of mortality, the deaths among these patients this week amounting to 66, being in the proportion of 1 death to every 23 cases.

It is pleasing to find a considerable diminution in the cases of Continued Fever; a fortnight ago they amounted to 120, last week they fell to 100, and in this return to 75; 27 of these were cases of Typhus.

The improvement in the other diseases of the zymotic class, reported last week, has not been maintained. Measles, Scarlatina and Whooping-Cough prevail almost to the extent figured a fortnight back.

There is an increase in the attacks of Diarrhœa and Dysentery; in the previous return they numbered 37, this week they amount to 51.

The cases of Acute Rheumatism have risen from 37 in the preceding week to 43.

The seizures from diseases of the respiratory organs have reached the low number of 228—the minimum of attacks from these diseases since the first week in October. The mean temperature of these two weeks being nearly the same.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 266 deaths were registered in the eleven districts which supply returns to the Sanitary Association; in the two previous weeks the numbers were 244 and 260.

Sixty-six deaths were caused by diseases of the lungs, 28 by Scarlatina, 17 by Fever, and 13 by Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46·9°; at the Salford Observatory it was 47·1°; at Eccles 46·2°; and at Old Trafford 47·4°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
Scarlet Fever	1	..	1	..	1	..	3	..	1	..	..	1	2	2	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	3	..	..	..	13	5
Croup	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Diarrhœa	1	2	..	..	1	1	5	3	..	10	..	1	1	7	2
Dysentery	..	..	..	..	..	..	..	1	..	..	..	..	..	3	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..
Continued Fever	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Typhus	1	..	..	..	..	..	1	7	2	..	..	2	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Febricula	..	..	..	..	..	..	..	3	..	..	..	1	..	19	..
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	2	1	27	1	..	1	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	6	4	2	1	3	5	21	20	1	30	3	..	..	26	9
Influenza	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..
Pleurisy and Pneumonia	..	..	..	..	..	..	..	3	..	3	..	..	..	2	2
Phthisis	1	3	..	..	..	..	4	10	5	21	..	3	4	6	2
Constitutional Syphilis	..	..	..	..	..	2	2	12	..	18	..	..	2	..	2
All other Diseases	16	6	17	a8	4	7	58	58	18	119	6	5	7	34	52
Accidents	3	1	..	1	..	1	6	7	16	121	..	..	..	..	..
TOTAL	29	16	20	10	9	17	101	130	44	358	10	13	17	114	75

a 4 Removed to Workhouse. *b* Removed to Workhouse.

Medical Officers to whom the Associa

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
(13) Mr. H. RUN
(14) „ J FINLAY
(15) „ J OGDEN
(16) „ J. TEAL

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

UTIONS OF MANCHESTER AND ADJOINING DISTRICTS.

e Week ending the 29th day of February, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
..... 1,329					.... 477.			.. 646. ..		508	..... 2650.....				Area in Statute Acres.
..... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										DISEASES.
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	New Bailey 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Anccats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	
..	..	..	..	..	..	..	..	..	..	..	..	...	1	..	Small-pox .....
..	1	..	..	..	..	..	..	..	..	..	..	..	3	16	Measles .....
..	..	..	3	..	1	..	..	4	5	2	2	..	27	11	Scarlet Fever.....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....
..	..	..	4	..	..	..	2	..	..	..	..	..	27	4	Whooping-cough ....
..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	Croup .....
..	1	..	2	..	1	..	..	..	2	1	..	8	46	31	Diarrhœa .....
..	..	..	..	..	..	..	1	..	..	..	..	..	5	5	Dysentery .....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..
..	..	..	1	..	..	..	..	..	1	..	..	..	5	9	Erysipelas .....
63	1	..	3	..	..	..	..	..	1	..	..	..	9		Continued Fever ....
..	1	6	3	..	..	..	..	..	..	..	..	5	27	65	Typhus .....
..	..	..	1	..	..	..	..	..	..	..	..	..	2		Enteric or Typhoid ..
..	2	2	3	..	..	..	1	..	2	..	2	..	37		Febricula .....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....
1	..	..	5	..	1	..	..	..	1	..	3	..	43	60	Rheumatic Fever ....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....
6	2	1	35	4	3	6	5	2	..	2	5	19	203	231	Bronchitis & Catarrh
1	..	1	..	..	..	..	..	..	..	..	..	..	8		Influenza .....
..	..	..	3	..	..	..	1	..	3	..	..	..	17	29	Pleurisy & Pneumonia.
3	..	..	9	1	..	1	2	1	2	..	3	2	80	73	Phthisis .....
..	..	..	7	1	..	..	1	2	..	..	2	3	54	22	Constitutional Syphilis
11	24	16	87	4	11	3	11	13	28	12	13	94	688	1013	All other diseases ....
2	..	..	41	..	1	2	2	..	17	2	20	..	237		Accidents .....
27	32	26	207	10	18	12	26	22	62	19	50	131	1520	1571	TOTAL .. ...

DEATHS.
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1
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5
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2
13
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29
2
66

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

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Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	3	..	..	..	..	..	..	..	..	2	..	5	4
Whooping-cough	2	4	1	..	..	3	..	..	2	1	..	13	4
Scarlatina	8	5	..	..	3	1	2	..	1	3	5	28	8
Diarrhœa	1	3	..	..	..	1	1	..	..	..	..	6	5
Fever	1	2	*a*5	1	*a*2	*a*2	1	..	..	*d*3	..	17	20
Diseases of the Lungs	8	8	9	4	3	11	4	3	4	9	3	66	76
Other causes	14	16	18	*b*8	*c*13	*c*10	15	7	9	15	*c*8	131	122
TOTAL NO. OF DEATHS.	37	38	33	13	21	28	23	10	16	31	16	266	240
TOTAL NO. OF BIRTHS.	44	46	15	26	28	31	29	16	33	82	33	383	321

a Typhus. *b* 3 Inquests. *c* 1 Inquest. *d* 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

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..	..	..	..	Chicken-pox	..	..	..	..
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..	..	..	..	Insanity	..	..	..	..
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65	33	39	137	Pleurisy and Pneumonia	79	85	104	268
..	..	..	..	Carbuncle	..	..	..	..
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6260	4039	4548	14847	TOTAL	7567	6052	7061	20680

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN FEBRUARY.	Inches.	Wet Days.
Royton	3·895	19
Old Trafford	2·104	18
Wilmslow	1·944	22
Penketh	1·726	18
Eccles	....	..
Salford	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq
Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·995	29·998	29·995	29·999	29·972	29 991
Highest (Unreduced)		30 247	30·256	30·247	30·170	29·806	30·352
Lowest (Unreduced)		29·235	29·334	29·235	29 090	28·702	29·342
Range		1·012	0·922	1·012	1·080	1·044	1·010
Temperature.							
Adopted Mean		47·1	47·4	46·2	46·6	46·1	48·1
Range for Week		22·8	27·2	22·2	23·3	24·5	23·6
Daily Range		9·8	11·6	8·6	9·6	9·3	9·7
Maximum in Shade		57·9	60·2	56·5	56·1	55·5	57·0
Minimum in Shade		35·1	33·0	34·3	32·8	31·0	33·4
Temperature of Dew Point		43·9	43·6	41·7	41·5	43·1	43·5
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·896	0·878	0·853	0·824	0·891	0·842
Prevailing Winds		W,SW	S	W,SW	SW	SW	WNW,SW
Rain		0·797	0·648	0·696	0·292	1·225	0·328
Ozonometer.							
Moffat		0·43	8·57	5·66	0·00	....	....
Schonbein		....	3·14	....	7·57	6·30	6·70

February 29, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, MARCH 7, 1868. No. 397.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 7th instant, 1473 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding two weeks the numbers were 1554 and 1520. The deaths for the same period among these patients amounted to 61, being at the rate of 1 death to every 24 cases.

The present return indicates a slight improvement in the public health.

Measles has fallen from 3 cases to 1, and so is the same as in the week ending February the 22nd.

Scarlatina is on the decrease, 10 cases are reported instead of 27. It is also less generally distributed, having occurred in only 4 of the 28 public institutions contributing to the weekly return.

There is a slight decrease under Whooping-Cough, the seizures amounting to 21.

The cases of Continued Fever have risen from 75 to 84; 28 of these are entered as Typhus.

Bronchitis and allied affections of the chest remain in the favourable state reported a week ago.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 264 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Seventy-one deaths were caused by diseases of the lungs, 22 by Scarlatina, 13 by Whooping-Cough, and 9 by Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 45·9°; at the Salford Observatory it was 44·4°; at Eccles 44·1°; and at Old Trafford 44·9°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	1	1	..	..	4	..	1	..	6	3
Croup	..	..	...	..	..	..	..	..	..	..	..	..	..	4	..
Diarrhœa	.	..	..	..	..	..	..	3	..	5	..	..	..	5	4
Dysentery	..	..	..	..	..	..	..	..	..	..	..	1	..	3	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	2	..	..	2	2	..	..	..	..	..	4	..
Continued Fever	6	..	1	..	..	..	7	1	..	..	..	..	..	..	..
Typhus	..	..	..	..	..	1	1	10	3	..	..	1	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..
Febricula	1	..	..	..	3	2	6	5	..	3	1	..	1	10	..
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	3	1	19	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..
Bronchitis and Catarrh	5	4	2	3	1	4	19	25	..	30	1	3	..	12	9
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia	..	..	..	1	..	..	1	4	..	2	1	..	..	3	1
Phthisis	..	..	..	..	..	2	2	12	..	21	..	1	3	3	1
Constitutional Syphilis	..	..	..	..	..	..	..	9	1	8	..	1	..	1	..
All other Diseases	20	1	14	*a*9	4	10	58	66	25	107	2	7	10	63	39
Accidents	..	..	..	3	..	3	6	8	18	92	1	..	2	..	1
TOTAL	32	5	17	18	8	23	103	149	48	291	6	17	16	116	59

a 2 Removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
(13) Mr. H. RUNCO
(14) „ J FINLAYSC
(15) „ J OGDEN F
(16) „ J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door edical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 7th day of March, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's									
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	...	..	1	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	14	Measles	1
..	..	..	3	..	..	..	..	..	4	..	..	..	10	10	Scarlet Fever.....	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	4	..	..	..	..	..	..	1	..	1	21	4	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	1	5	1	Croup	1
1	..	..	5	2	..	..	..	..	2	..	..	2	32	37	Diarrhœa	..
..	..	..	..	..	..	..	..	1	..	..	..	..	5	4	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	1	..	..	1	..	..	1	11	6	Erysipelas	..
1	..	3	3	..	..	..	1	..	1	..	1	..	18		Continued Fever	2
1	1	..	1	..	..	..	..	..	..	..	..	10	28	61	Typhus	6
.	..	..	..	..	1	..	..	1	..	..	..	..	4		Enteric or Typhoid ..	..
.	1	..	2	..	..	..	..	..	3	..	..	..	34		Febricula	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
.	..	..	6	..	..	2	..	1	1	2	3	..	38	82	Rheumatic Fever	..
.	..	..	..	..	1	..	..	..	..	..	..	..	1	..	Puerperal Fever.....	..
4	5	..	35	3	3	5	5	3	12	1	6	18	202	211	Bronchitis & Catarrh	6
.	..	..	2	..	..	..	..	..	2	..	..	..	4		Influenza	..
	..	..	4	..	1	..	..	..	1	..	2	..	20	20	Pleurisy & Pneumonia.	1
	..	1	11	..	1	..	..	..	3	1	4	8	73	76	Phthisis	8
	1	..	7	..	..	..	..	1	..	..	1	7	40	31	Constitutional Syphilis	1
	17	16	90	3	4	10	12	17	23	..	14	99	700	975	All other diseases	29
	1	..	41	..	1	..	..	2	18	..	35	..	226		Accidents	2
	26	20	214	8	12	18	18	26	71	5	66	147	1473	1533	TOTAL	61

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusions wn from the weekly eturns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	1	1	1	..	..	..	3	6
Whooping-cough	1	1	2	..	1	1	5	..	..	2	..	13	1
Scarlatina	5	2	..	..	4	2	1	2	2	2	2	22	7
Diarrhœa	..	..	..	..	..	..	1	..	..	..	1	2	7
Fever	..	..	*b*4	..	*b*1	..	*c*2	..	..	..	2	9	13
Diseases of the Lungs	12	9	5	3	5	8	6	6	3	12	2	71	75
Other causes	20	*a*14	27	2	10	*a*11	16	4	8	21	11	144	122
TOTAL NO. OF DEATHS.	38	26	38	5	21	23	32	13	13	37	18	264	231
TOTAL NO. OF BIRTHS.	52	55	28	18	17	33	28	25	35	59	23	373	355

a 2 Inquests. *b* Typhus. *c* 1 Typhus and 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	TOTAL.	DISEASE.	4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	TOTAL
5	5	5	15	Small-pox	2	2	3	7
..	..	..	..	Chicken-pox	..	..	..	..
107	76	77	280	Measles	35	21	22	78
68	29	36	133	Scarlatina	98	81	121	300
1	2	6	9	Diphtheria	1	..	2	3
68	82	92	242	Whooping-cough	144	198	151	493
7	1	2	10	Croup	4	3	3	10
149	126	196	471	Diarrhœa	130	123	191	444
2	2	2	6	Dysentery	9	7	16	32
..	..	..	..	Cholera	..	..	..	..
19	16	19	54	Erysipelas	14	25	37	76
..	..	..	..	Puerperal Fever	..	5	2	7
..	..	..	..	Insanity	..	..	..	..
797	861	1057	2715	Bronchitis and Catarrh	1193	1380	1308	3881
33	39	39	111	Pleurisy and Pneumonia	85	104	128	317
..	..	..	..	Carbuncle	..	..	..	..
2783	3309	3279	9371	Accidents, and all other Diseases.	4337	5112	6122	15571
4039	4548	4810	13397	TOTAL	6052	7061	8106	21219

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN FEBRUARY	Inches.	Wet Days.
Royton	3·895	19
Old Trafford	2·104	18
Wilmslow	1·944	22
Penketh	1·726	18
Eccles	....	..
Salford	....	..

	Royal Infirmary, Dr. Reed.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. Vernon, Esq	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq
Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·799	29·791	29·799	NO RETURN.	29·764	29·795
Highest (Unreduced)		30 119	30·084	30·119		29·616	30·176
Lowest (Unreduced)		29·249	29·152	29·249		28·780	29·340
Range		0·870	0·932	0·870		0·836	0·836
Temperature.							
Adopted Mean		44·4	44·9	44·1		42·0	45·7
Range for Week		19·5	20·0	20·5		19·0	21·2
Daily Range		7·8	10·6	9·0		9·3	8·7
Maximum in Shade		52·9	53 0	52·5		50·5	54·6
Minimum in Shade		33·4	33·0	32·0		31·5	33·4
Temperature of Dew Point		41·6	41·4	39·9		40·2	41·7
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·956	0·833	0·850		0·932	0·860
Prevailing Winds		W	SW, WNW	W, NW		NW	WNW
Rain		1·913	1·934	1·747		2·950	1·323
Ozonometer.							
Moffat		1·00	8·57	10·71		....	....
Schonbein		....	1·86	....		5·80	7·90

March 7 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, MARCH 14, 1868. No. 398.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 14th instant, 1664 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding two weeks the numbers were 1520 and 1473. The deaths for the same period among these patients amounted to 49, being in the proportion of 1 death to every 34 cases. This rate of mortality is considerably below the average.

Continued Fever remains much the same as last week, 86 cases being returned, 29 of which were assigned to Typhus.

The decrease in Scarlatina, referred to last week, has not been maintained, the cases having risen from 10 to 21.

Measles is not at all prevalent; for several weeks past it has been on the point of disappearing from our list. This week the cases have risen from 1 to 4.

The seizures from Whooping-Cough have fallen from 21 to 18.

There has not been a single case of Small-Pox in the public practice of Manchester and Salford during the last fortnight.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 229 deaths were registered in the eleven districts supplying returns to the Sanitary Association.

Seventy-two of the deaths occurred from diseases of the lungs, 12 each from Fever and Scarlatina, and 3 from Whooping-Cough.

According to the Registrar-General, 2 children died last week in London of Choleraic Diarrhœa.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 44·7°; at the Salford Observatory it was 45·0°; at Eccles 44·4°; and at Old Trafford 44·6°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	Hospital
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	4	..	4	1	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	2	..	..	1	6	3	
Croup	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	.	1	..	..	..	..	1	1	..	2	..	..	..	4	3	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	..	..	..	1	..	1	2	2	..	..	..	..	..	..	..	
Continued Fever	*a*5	..	..	..	..	1	6	..	..	..	..	..	..	..	..	
Typhus	*a*1	..	..	..	*a*1	..	2	11	1	..	1	1	2	..	..	
Enteric or Typhoid	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	
Febricula	..	..	..	..	..	4	4	5	1	..	..	..	..	8	1	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatic Fever	..	..	..	..	..	..	..	2	..	28	2	4	1	..	..	
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	
Bronchitis and Catarrh	2	8	3	2	4	2	21	16	..	48	..	2	2	12	7	
Influenza	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	
Pleurisy and Pneumonia	1	..	..	1	..	..	2	..	1	..	..	..	..	1	2	
Phthisis	..	..	..	..	..	1	1	4	1	22	2	1	6	2	3	
Constitutional Syphilis	..	..	..	..	..	1	1	12	..	12	1	..	2	..	..	
All other Diseases	16	6	10	6	3	10	51	94	23	134	7	9	8	73	54	
Accidents	2	1	2	..	..	2	7	7	25	130	2	2	3	..	..	
TOTAL	27	16	15	10	8	22	98	155	52	380	15	23	25	111	75	

a Removed to Workhouse.

Medical Officers to whom the Associati

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SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 14th day of March, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.			.. 646. ..		508	..... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			..44,850.		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	New Bailey 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
..	..	..	..	..	..	..	..	..	..	..	..	...	..	..	Small-pox	..
..	2	..	..	..	..	..	..	..	1	..	..	..	4	9	Measles	..
..	..	..	2	..	3	..	..	2	2	3	..	..	21	7	Scarlet Fever.....	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria	..
..	..	..	3	..	2	..	1	..	..	..	..	..	18	3	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	Croup	..
1	..	..	6	1	..	..	..	..	2	..	1	5	31	33	Diarrhœa	..
..	..	..	1	..	..	..	..	1	..	..	..	..	3	2	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	..	1	..	..	..	5	11	Erysipelas	..
1	..	4	4	..	..	..	..	..	2	2	..	..	19		Continued Fever	..
..	3	..	2	..	..	..	..	..	..	..	1	5	29	66	Typhus	4
..	..	..	3	..	1	..	..	..	..	..	..	..	5		Enteric or Typhoid ..	..
..	1	..	3	..	1	..	1	..	3	..	2	..	33		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	..	4	..	..	..	..	..	1	..	..	..	42	58	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
4	6	2	33	5	2	3	4	4	9	3	7	24	218	323	Bronchitis & Catarrh	5
..	..	..	..	..	..	..	..	..	2	..	..	..	4		Influenza	..
..	2	..	3	..	..	1	1	..	2	..	..	..	15	22	Pleurisy & Pneumonia.	..
..	2	..	9	1	2	1	..	2	3	..	3	8	74	56	Phthisis	6
..	..	..	5	2	..	..	..	2	..	..	..	10	49	30	Constitutional Syphilis	1
9	23	8	97	3	14	5	6	14	20	4	8	136	805	952	All other diseases	28
1	..	..	56	..	..	..	..	1	22	..	30	3	289		Accidents	3
16	39	14	231	12	25	10	13	26	70	12	52	191	1664	1576	TOTAL	49

is indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
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(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

n the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	..	..	1	..	..	2	6
Whooping-cough	1	1	..	1	..	..	..	..	..	..	..	3	7
Scarlatina	3	..	..	3	1	1	..	..	1	3	..	12	5
Diarrhœa	1	..	..	1	..	..	3	..	..	..	..	5	16
Fever	1	2	*a*6	..	..	..	3	..	..	..	..	12	18
Diseases of the Lungs	10	7	7	4	4	7	7	..	9	14	3	72	94
Other causes	6	18	15	*b*11	*c*8	*c*5	21	2	*d*6	22	9	123	167
TOTAL NO. OF DEATHS.	23	28	28	20	13	13	34	2	17	39	12	229	313
TOTAL NO. OF BIRTHS.	40	52	16	19	20	29	62	23	28	67	27	383	321

a Typhus. *b* 3 Inquests. *c* 2 Inquests. *d* 1 Diphtheria.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	TOTAL.	DISEASE.	4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	TOTAL
5	5	5	15	Small-pox	2	2	3	7
..	..	..	..	Chicken-pox	..	..	..	..
107	76	77	280	Measles	35	21	22	78
68	29	36	133	Scarlatina	98	81	121	300
1	2	6	9	Diphtheria	1	..	2	3
68	82	92	242	Whooping-cough	144	198	151	493
7	1	2	10	Croup	4	3	3	10
149	126	196	471	Diarrhœa	130	123	191	444
2	2	2	6	Dysentery	9	7	16	32
..	..	..	..	Cholera	..	..	..	..
19	16	19	54	Erysipelas	14	25	37	76
..	..	..	..	Puerperal Fever	..	5	2	7
..	..	..	..	Insanity	..	..	..	..
797	861	1057	2715	Bronchitis and Catarrh	1193	1380	1308	3881
33	39	39	111	Pleurisy and Pneumonia	85	104	128	317
..	..	..	..	Carbuncle	..	..	..	..
2783	3309	3279	9371	Accidents, and all other Diseases.	4337	5112	6122	15571
4039	4548	4810	13397	TOTAL	6052	7061	8106	21219

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN FEBRUARY	Inches.	Wet Days.
Royton	3·895	19
Old Trafford	2·104	18
Wilmslow	1·944	22
Penketh	1·726	18
Eccles	....	..
Salford	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·562	29·587	29·562	29·561	29·558	29·550
Highest (Unreduced)		30·149	30·152	30·149	30·048	29·682	30·236
Lowest (Unreduced)		28·933	28·982	28·933	28·836	28·508	29·018
Range		1·216	1·170	1·216	1·212	1·174	1·218
Temperature.							
Adopted Mean		45·0	44·6	44·4	43·3	42·5	44·9
Range for Week		24·2	24·5	26·4	21·3	22·8	28·1
Daily Range		11·1	14·8	13·3	11·5	14·2	15·8
Maximum in Shade		58·0	58·0	58·5	55·8	55·0	60·3
Minimum in Shade		33·8	33·5	32·1	34·5	32·2	32·2
Temperature of Dew Point		41·7	39·8	38·7	38·3	39·6	39·3
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·885	0·836	0·802	0·826	0·894	0·805
Prevailing Winds		W, SW	SE, SW	W, SW	SW	S, SW	S, SW
Rain		0·501	0·586	0·635	0·609	0·715	0·477
Ozonometer.							
Moffat		0·43	10·00	6·43	0·00	....	....
Schonbein		....	4·43	....	7·20	6·80	7·90

March 14 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, MARCH 21, 1868. No. 399.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 21st instant, 1462 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1525. The deaths for the same period among these patients amounted to 60, being at the rate of 1 death to every 24 cases.

The most unsatisfactory feature in the present return is the continued prevalency of Fever; 87 cases are returned, 33 of which were regarded as Typhus—an increase of 4 upon the return of the previous week.

There is an increase also in the cases of Measles, 7 being reported instead of 4, in the corresponding week of last year the number was 16.

Scarlatina shows very little tendency to subside; there is an increase of 1 case upon the number of the previous week, but taking the last four weeks together an improvement is apparent upon the preceding month.

Whooping-Cough has been decreasing slightly in prevalency during the last three weeks.

The remarkably constant and high mean temperature of the last eight weeks explain the low number of seizures from Bronchitis and closely related chest diseases; 232 cases occurred last week against 332 in the corresponding week of last year.

There is an increase of 17 in the cases of Diarrhœa and Dysentery, while the seizures from Acute Rheumatism are 18 less than in the preceding week.

Small Pox is absent from our list.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 265 deaths were registered in the eleven districts which supply returns to the Sanitary Association; in the two previous weeks the numbers were 264 and 229.

Sixty-nine death were caused by diseases of the lungs, 16 by Fever, 15 by Scarlatina, 6 by Whooping-Cough, and 2 by Diphtheria.

In the return from St. George's District one death is ascribed to Bilious Cholera.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 44·0°; at the Salford Observatory it was 44·1°; at Eccles 43·6°; and at Old Trafford 43·8°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment I

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.							
									Royal Infirmary.					Children	
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	1	1	2	..	..	..	..	..	2	..
Scarlet Fever	1	2	..	..	..	..	3	..	..	..	..	..	5	5	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	1	1	..	..	2	..	..	..	7	3
Croup	..	..	...	..	..	..	..	..	..	..	..	..	..	1	..
Diarrhœa	.	3	1	..	..	..	4	3	..	10	..	1	..	6	3
Dysentery	..	..	..	..	..	1	1	..	..	2	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Continued Fever	3	..	2	..	..	2	7	..	..	..	..	..	..	..	..
Typhus	..	..	..	..	..	1	1	10	..	..	..	2	1	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Febricula	2	..	..	..	..	1	3	6	..	..	..	..	..	7	..
Ague	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Rheumatic Fever	1	4	..	..	1	2	8	1	..	..	..	1	3	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..
Bronchitis and Catarrh	3	..	..	6	3	3	15	16	3	45	..	3	3	13	4
Influenza	..	..	..	..	..	..	..	..	..	2	..	..	..	6	..
Pleurisy and Pneumonia	..	..	..	..	..	..	..	4	..	..	..	..	1	..	4
Phthisis	..	..	1	..	..	1	2	4	..	23	..	2	2	4	1
Constitutional Syphilis	1	..	..	1	..	1	3	6	..	22	..	..	..	2	1
All other Diseases	15	5	12	5	3	11	51	67	26	114	2	6	3	40	56
Accidents	1	..	..	..	..	1	2	11	23	76	1	..	2	..	1
TOTAL	27	14	16	12	7	26	102	131	52	297	4	15	20	93	74

a Removed to Workhouse.

Medical Officers to whom the Associa

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
(13) Mr. H. RUN
(14) „ J FINLAY
(15) „ J OGDEN
(16) „ J. TEAL

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

UTIONS OF MANCHESTER AND ADJOINING DISTRICTS.

e Week ending the 21st day of March, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					....477.....			..646...		508.	..... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			..44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	New Bailey 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
..	..	..	..	..	..	..	..	..	..	..	..	...	..	..	Small-pox	..
..	1	..	..	..	..	..	..	..	..	..	1	..	7	16	Measles	..
..	..	..	5	..	1	..	1	..	1	..	..	..	22	7	Scarlet Fever.....	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	2	..	..	..	..	1	..	..	..	..	17	7	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	..
1	..	..	3	4	1	..	..	..	2	..	..	5	47	31	Diarrhœa	..
..	..	..	..	..	..	..	..	1	..	..	..	..	4	4	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	..	2	..	..	..	4	8	Erysipelas	1
..	..	4	9	..	..	1	..	..	1	2	..	..	24		Continued Fever	..
a1	2	..	..	..	..	..	..	1	..	..	..	15	33	78	Typhus	5
..	1	..	1	..	..	..	..	..	1	..	..	..	4		Enteric or Typhoid ..	..
..	1	..	3	..	..	..	1	..	3	..	..	..	26		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Ague	..
1	..	2	..	..	2	1	..	..	1	..	3	3	26	57	Rheumatic Fever	..
..	4	..	..	..	..	..	..	..	..	..	..	..	4	..	Puerperal Fever.....	..
5	..	1	29	3	4	6	6	1	11	..	9	25	205	311	Bronchitis & Catarrh	9
..	..	..	..	..	..	..	..	..	2	..	..	..	12		Influenza	..
..	..	1	2	1	..	..	..	..	1	..	1	..	15	21	Pleurisy & Pneumonia.	2
..	2	..	5	..	..	2	1	..	3	..	3	3	58	61	Phthisis	12
..	2	..	4	3	..	..	..	2	..	..	..	8	55	30	Constitutional Syphilis	..
13	22	11	79	2	11	6	7	8	27	7	12	104	679	894	All other diseases	28
1	2	..	54	..	..	2	2	1	18	..	22	..	218		Accidents	1
22	37	19	196	13	19	18	18	15	73	9	51	163	1462	1525	TOTAL	60

is indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

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in the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	1	..	..	..	..	1	..	3	5
Whooping-cough	..	2	..	..	..	..	..	..	..	3	1	6	3
Scarlatina	1	2	..	..	4	4	..	..	1	3	..	15	6
Diarrhœa	1	..	..	..	1	4	3	..	1	1	1	12	13
Fever	1	1	3	2	*b*2	*c*3	*e*1	..	..	*e*1	*e*2	16	9
Diseases of the Lungs	12	6	14	5	2	9	3	2	6	8	2	69	129
Other causes	19	18	23	*a*4	12	*d*10	*f* 18	*g*9	*d*7	15	*h*9	144	130
TOTAL NO. OF DEATHS.	35	29	40	11	22	30	25	11	15	32	15	265	295
TOTAL NO. OF BIRTHS.	55	38	31	10	12	32	43	23	24	65	20	353	317

a 2 Inquests. *b* 1 Typhus and 1 Gastric. *c* Typhoid. *d* 1 Diphtheria. *e* Typhus. *f* 5 Inquests. *g* 3 Inquests. *h* 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	TOTAL.	DISEASE.	4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	TOTAL
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..	..	..	..	Chicken-pox	..	..	..	..
107	76	77	280	Measles	35	21	22	78
68	29	36	133	Scarlatina	98	81	121	300
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68	82	92	242	Whooping-cough	144	198	151	493
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..	..	..	..	Cholera	..	..	..	..
19	16	19	54	Erysipelas	14	25	37	76
..	..	..	..	Puerperal Fever	..	5	2	7
..	..	..	..	Insanity	..	..	..	..
797	861	1057	2715	Bronchitis and Catarrh	1193	1380	1308	3881
33	39	39	111	Pleurisy and Pneumonia	85	104	128	317
..	..	..	..	Carbuncle	..	..	..	..
2783	3309	3279	9371	Accidents, and all other Diseases.	4337	5112	6122	15571
4039	4548	4810	13397	TOTAL	6052	7061	8106	21219

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FALL OF RAIN IN FEBRUARY

	Inches.	Wet Days.
Royton	3·895	19
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Salford	2·128	21
Old Trafford	2·104	18
Wilmslow	1·944	22
Penketh	1·726	18

	Royal Infirmary, Dr. Reed.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq.	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq.
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·974	29·990	29·974	29·982	29·954	29·970
Highest (Unreduced)		30·199	30·237	30·199	30·130	29·725	30·312
Lowest (Unreduced)		29·627	29·587	29·627	29·522	29·180	29·722
Range		0·572	0·650	0·572	0·608	0·545	0·590
Temperature.							
Adopted Mean		44·1	43·8	43·6	43·2	42·1	44·8
Range for Week		25·6	29·0	29·5	29·0	28·4	35·1
Daily Range		13·4	18·9	15·8	13·9	16·5	17·8
Maximum in Shade		59·8	59·0	59·5	58·1	56·4	62·4
Minimum in Shade		34·2	30·0	30·0	29·1	28·0	27·3
Temperature of Dew Point		41·9	40·1	40·1	39·2	41·3	41·6
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·921	0·864	0·872	0·856	0·932	0·885
Prevailing Winds		W, SW, NW	S, SE	W, SW, NW	S, SW	S, SE	S, SE
Rain		0·706	0·749	0·645	0·465	0·825	0·684
Ozonometer.							
Moffat		....	6·00	3·00	0·00	....	....
Schonbein		....	2·57	....	7·86	4·60	6·50

March 21 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, MARCH 28, 1868. No. 400.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, March the 28th, 1449 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding week the number was 1462. The deaths for the same period among these patients amounted to 57, being in the proportion of 1 death to every 25 cases.

The present return is satisfactory. There is an improvement under Continued Fever, in the last return the number of cases of Fever was 87, in the present we have to record 76. The number of cases assigned to Typhus has fallen from 33 in the last report to 17 in the present; 41 out of the above 76 cases were entered under Febricula.

There is an increase in the cases of Measles, 12 being returned instead of 7.

Scarlatina and Whooping-Cough remain very much the same as in the previous return.

The cases of Diarrhœa and Dysentery have fallen from 51 to 38.

The seizures from Acute Rheumatism are much less numerous than they were a week ago.

Bronchitis and alied diseases of the chest continue in the favourable state they have maintained for many weeks.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 238 deaths were registered in the eleven districts which supply returns to the Sanitary Association; in the corresponding week of last year the number was 274.

Sixty-two death were caused by diseases of the lungs, 20 by Scarlatina, 13 by Fever, 9 by Whooping-Cough, and 1 by Diphtheria.

At the Royal Observatory, Greenwich, the mean temperature in the week was 42·7°; at the Salford Observatory it was 43·2°; at Eccles 42·6°; and at Old Trafford 43·6°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnship., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	..	..	..	..	2	3	5
Whooping-cough	1	1	..	1	..	..	2	..	2	1	1	9	10
Scarlatina	1	2	..	1	2	3	2	1	3	4	1	20	6
Diarrhœa	1	..	..	1	1	1	..	..	..	2	..	6	2
Fever	1	..	*b* 1	2	..	..	*d* 5	2	..	1	*f* 1	13	22
Diseases of the Lungs	9	6	12	3	4	6	..	4	3	8	7	62	101
Other causes	9	*a* 14	19	*c* 8	1	*c* 10	20	5	*e* 13	19	7	125	128
TOTAL NO. OF DEATHS.	23	23	32	16	8	20	29	12	21	35	19	238	274
TOTAL NO. OF BIRTHS.	44	39	16	14	15	27	41	25	30	92	21	367	432

a 3 Inquests. *b* Typhus. *c* 1 Inquest. *d* 1 Typhus and 4 Typhoid. *e* 1 Diphtheria and 2 Inquests. *f* Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	TOTAL.	DISEASE.	4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	TOTAL
5		5	15	Small-pox	2	2	3	7
..	..	..	..	Chicken-pox	..	..	..	..
107	76	77	280	Measles	35	21	22	78
68	29	36	133	Scarlatina	98	81	121	300
1	2	6	9	Diphtheria	1	..	2	3
68	82	92	242	Whooping-cough	144	198	151	493
7	1	2	10	Croup	4	3	3	10
149	126	196	471	Diarrhœa	130	123	191	444
2	2	2	6	Dysentery	9	7	16	32
..	..	..	..	Cholera	..	..	..	..
19	16	19	54	Erysipelas	14	25	37	76
..	..	..	..	Puerperal Fever	..	5	2	7
..	..	..	..	Insanity	..	..	..	..
797	861	1057	2715	Bronchitis and Catarrh	1193	1380	1308	3881
33	39	39	111	Pleurisy and Pneumonia	85	104	128	317
..	..	..	..	Carbuncle	..	..	..	..
2783	3309	3279	9371	Accidents, and all other Diseases.	4337	5112	6122	15571
4039	4548	4810	13397	TOTAL	6052	7061	8106	21219

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN FEBRUARY

	Inches.	Wet Days.
Royton	3·895	19
Eccles	2·228	21
Salford	2·128	21
Old Trafford	2·104	18
Wilmslow	1·944	22
Penketh	1·726	18

	Royal Infirmary, Dr. Reed.	Salford Meteorogl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. Vernon, Esq	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington. L. W. Reynolds Esq
Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30 052	30·072	30·074	30·072	30 050	30·060	30·068
Highest (Unreduced)	30 483	30 523	30·536	30·523	30 400	30·053	30·604
Lowest (Unreduced)	29·622	29·622	29·642	29·622	29 550	29·180	29·736
Range	0·861	0·901	0·894	0·901	0 850	0·853	0·868
Temperature.							
Adopted Mean	42·9	43·2	43 6	42·6	41·1	41·0	42·8
Range for Week	22·6	26 6	33·6	30·6	28·3	32·3	33·6
Daily Range	8·2	13·1	16·6	15·2	15·5	15·6	17·0
Maximum in Shade	53·0	56·8	59·6	56·5	53·3	56·3	57·6
Minimum in Shade	30·4	30·2	26 0	25·9	25·0	24·0	24·0
Temperature of Dew Point	40·7	37·7	38·6	36·2	37·0	36·9	37·9
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS
Degree of Humidity (Saturation—1,000)	0·920	0·808	0·822	0·787	0·852	0·852	0·829
Prevailing Winds	....	SW, NW	W, NW	W, NW	N, NW	NW	W, NW
Rain	....	0·666	0·730	0·686	0·576	0·715	0·688
Ozonometer.							
Moffat	....	0·42	1·86	4·71	0·00	....	....
Schonbein	....	....	0·71	....	5·00	2·20	6·00

March 28, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, MARCH 28, 1868. No. 400.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, March the 28th, 1449 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding week the number was 1462. The deaths for the same period among these patients amounted to 57, being in the proportion of 1 death to every 25 cases.

The present return is satisfactory. There is an improvement under Continued Fever, in the last return the number of cases of Fever was 87, in the present we have to record 76. The number of cases assigned to Typhus has fallen from 33 in the last report to 17 in the present; 41 out of the above 76 cases were entered under Febricula.

There is an increase in the cases of Measles, 12 being returned instead of 7.

Scarlatina and Whooping-Cough remain very much the same as in the previous return.

The cases of Diarrhœa and Dysentery have fallen from 51 to 38.

The seizures from Acute Rheumatism are much less numerous than they were a week ago.

Bronchitis and alied diseases of the chest continue in the favourable state they have maintained for many weeks.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 238 deaths were registered in the eleven districts which supply returns to the Sanitary Association; in the corresponding week of last year the number was 274.

Sixty-two death were caused by diseases of the lungs, 20 by Scarlatina, 13 by Fever, 9 by Whooping-Cough, and 1 by Diphtheria.

At the Royal Observatory, Greenwich, the mean temperature in the week was 42·7°; at the Salford Observatory it was 43·2°; at Eccles 42·6°; and at Old Trafford 43·6°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Arowick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	..	..	..	..	2	3	5
Whooping-cough	1	1	..	1	..	..	2	..	2	1	1	9	10
Scarlatina	1	2	..	1	2	3	2	1	3	4	1	20	6
Diarrhœa	1	..	..	1	1	1	..	..	..	2	..	6	2
Fever	1	..	*b* 1	2	..	..	*d* 5	2	..	1	*f* 1	13	22
Diseases of the Lungs	9	6	12	3	4	6	..	4	3	8	7	62	101
Other causes	9	*a* 14	19	*c* 8	1	*c* 10	20	5	*e* 13	19	7	125	128
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..	..	..	..	Chicken-pox	..	..	..	..
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1	2	6	9	Diphtheria	1	..	2	3
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7	1	2	10	Croup	4	3	3	10
149	126	196	471	Diarrhœa	130	123	191	444
2	2	2	6	Dysentery	9	7	16	32
..	..	..	..	Cholera	..	..	..	..
19	16	19	54	Erysipelas	14	25	37	76
..	..	..	..	Puerperal Fever	..	5	2	7
..	..	..	..	Insanity	..	..	..	..
797	861	1057	2715	Bronchitis and Catarrh	1193	1380	1308	3881
33	39	39	111	Pleurisy and Pneumonia	85	104	128	317
..	..	..	..	Carbuncle	..	..	..	..
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4039	4548	4810	13397	TOTAL	6052	7061	8106	21219

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Range for Week	22·6	26 6	33·6	30·6	28·3	32·3	33·6
Daily Range	8·2	13·1	16·6	15·2	15·5	15·6	17·0
Maximum in Shade	53·0	56·8	59·6	56·5	53·3	56·3	57·6
Minimum in Shade	30·4	30·2	26·0	25·9	25·0	24·0	24·0
Temperature of Dew Point	40·7	37·7	38·6	36·2	37·0	36·9	37·9
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS
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Prevailing Winds	....	SW, NW	W, NW	W, NW	N, NW	NW	W, NW
Rain	....	0·666	0·730	0·686	0·576	0·715	0·688
Ozonometer.							
Moffat	....	0·42	1·86	4·71	0·00	....	....
Schonbein	....	....	0·71	....	5·00	2·20	6·00

March 28, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, APRIL 4, 1868. No. 401.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 4th instant, 1605 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding two weeks the numbers were 1462, and 1449. The deaths for the same period among these patients amounted to 56, being in the proportion of 1 death to every 28 cases.

The present return differs but little from the preceding one, except in the considerable increase of new cases of disease.

Thirteen cases of Measles are returned, being an increase of 1, upon the number of the previous week.

Scarlatina tends to decline, 15 cases are returned for the week under notice; in the preceding return the number was 21.

There is a slight diminution in the cases of Whooping-Cough, the numbers under this disease for the two last weeks being 18 and 16 respectively.

Continued Fever continues to decrease in prevalency, the number of cases has fallen from 76 to 57; 20 of these were ascribed to Typhus, and 4 to Typhoid Fever.

The seizures from Bronchitis, and other diseases of the chest, have risen from 230 to 264.

The cases of Acute Rheumatism have fallen from 14 to 11; in the corresponding week of last year, the number was 78.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 261 deaths were registered in the eleven districts which supply returns to the Sanitary Association; in the preceding week the number was 238.

Sixty-eight deaths were caused by diseases of the lungs, 17 by Scarlatina, 11 by Fever, and 8 by Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 45·2°; at the Salford Observatory it was 45·1°; at Eccles 44·3°; and at Old Trafford 43·9°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	2	..	..	1	3	..	..	..	..	..	..	2	1	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	4	..	..	..	4	5	..
Croup	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Diarrhœa	.	1	..	..	..	..	1	1	..	5	..	1	..	3	1	3
Dysentery	..	..	..	..	..	..	..	1	..	..	..	..	..	4	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	1	..	..	..	..	..	1	6	..	1	1	..	..	..	..	..
Continued Fever	*a*2	1	..	..	..	1	4	..	..	..	..	..	..	..	..	..
Typhus	..	.	..	..	..	..	..	8	..	..	1	..	2	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..
Febricula	..	..	1	..	2	..	3	1	..	..	..	..	..	5	..	..
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	1	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	3	4	5	3	5	9	29	11	..	44	3	1	4	10	11	4
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	6	..	2
Pleurisy and Pneumonia	3	1	..	..	..	3	7	4	..	4	..	..	..	3	..	..
Phthisis	..	..	3	..	..	..	3	8	2	27	2	2	5	5	1	1
Constitutional Syphilis	..	..	..	..	..	1	1	9	..	20	..	..	2	..	1	2
All other Diseases	31	5	22	4	6	12	80	77	22	148	3	7	12	71	62	5
Accidents	..	..	2	3	2	..	7	6	27	102	1	1	1	..	..	..
TOTAL	41	12	36	10	15	27	141	133	52	356	12	12	26	116	83	17

a 1 Removed to Workhouse. *b* Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REED,
(9) (10) (11) (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN
(13) Mr. H. RUNCORN
(14) ,, J FINLAYSON
(15) ,, J OGDEN FLI
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 4th day of April, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
.... 1,329					.... 477.			.. 646. ..		508.	.... 2650.....				Area in Statute Acres.
.... 70,967.					.. 68,209. ..			.. 44,850.		21739	.....24,448.....				Population in 1861.
OR LAW ISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
16	Regent Road. 17	Workhouse. 18	Dispensary. 19	New Bailey 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
..	..	..	..	..	..	..	..	..	..	..	..	...	..	1	Small-pox	..
..	3	..	2	..	1	1	..	..	..	..	..	..	13	6	Measles	..
..	..	..	1	..	3	..	1	1	3	1	1	..	15	13	Scarlet Fever.....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria	..
..	..	..	3	..	..	..	..	..	..	..	..	..	16	2	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	Croup	..
1	..	..	5	2	..	..	..	..	2	..	..	9	34	35	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	1	..	6	1	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	...	..	..	1	..	..	..	10	7	Erysipelas	..
1	..	5	3	..	..	..	..	..	2	1	..	..	16	51	Continued Fever	..
1	3	..	1	1	..	..	1	..	..	..	..	2	20		Typhus	..
..	..	..	1	..	..	..	..	..	..	..	..	..	4		Enteric or Typhoid ..	..
..	..	..	2	..	..	..	2	..	4	..	..	..	17		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	1	4	1	2	..	..	..	..	..	1	..	11	78	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
5	5	1	36	2	6	8	2	3	11	3	8	20	228	278	Bronchitis & Catarrh	4
..	..	..	3	..	..	..	..	..	2	..	..	..	13		Influenza	..
..	..	..	3	..	..	1	..	..	1	..	..	..	23	22	Pleurisy & Pneumonia.	2
1	1	..	9	..	2	1	1	2	3	..	4	5	84	73	Phthisis	7
2	..	..	4	1	..	..	..	1	..	..	2	11	54	36	Constitutional Syphilis	..
5	17	7	88	3	7	5	9	14	23	..	18	102	795	972	All other diseases	38
..	..	..	51	..	..	..	..	2	18	..	24	2	245		Accidents	4
17	29	14	216	10	21	16	16	23	70	5	59	151	1605	1577	TOTAL	56

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusions n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	2	..	..	1	2	..	5	6
Whooping-cough	2	..	..	2	1	2	..	..	..	1	..	8	6
Scarlatina	2	..	..	..	4	2	1	..	1	5	2	17	3
Diarrhœa	1	..	..	..	..	2	1	..	..	..	..	4	4
Fever	1	..	2	..	1	1	*c*2	*e*1	..	*c*2	*e*1	11	10
Diseases of the Lungs	11	9	5	3	3	5	3	5	6	8	10	68	80
Other causes	10	*a*12	25	11	*b*14	8	*d*25	7	*d*9	23	4	148	127
TOTAL NO. OF DEATHS.	27	21	32	16	23	22	32	13	17	41	17	261	236
TOTAL NO. OF BIRTHS.	49	51	14	14	18	54	39	25	31	65	22	382	356

a 3 Inquests. *b* 5 Inquests. *c* 1 Typhus. *d* 2 Inquests. *e* Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	TOTAL.	DISEASE.	4 Weeks ending 28th Dec.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	TOTAL
5		5	15	Small-pox	2	2	3	7
..	..	..	..	Chicken-pox	..	..	..	..
107	76	77	280	Measles	35	21	22	78
68	29	36	133	Scarlatina	98	81	121	300
1	2	6	9	Diphtheria	1	..	2	3
68	82	92	242	Whooping-cough	144	198	151	493
7	1	2	10	Croup	4	3	3	10
149	126	196	471	Diarrhœa	130	123	191	444
2	2	2	6	Dysentery	9	7	16	32
..	..	..	..	Cholera	..	..	..	..
19	16	19	54	Erysipelas	14	25	37	76
..	..	..	..	Puerperal Fever	..	5	2	7
..	..	..	..	Insanity	..	..	..	..
797	861	1057	2715	Bronchitis and Catarrh	1193	1380	1308	3881
33	39	39	111	Pleurisy and Pneumonia	85	104	128	317
..	..	..	..	Carbuncle	..	..	..	..
2783	3309	3279	9371	Accidents, and all other Diseases.	4337	5112	6122	15571
4039	4548	4810	13397	TOTAL	6052	7061	8106	21219

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH	Inches.	Wet Days.
Royton	5·200	21
Old Trafford	3·999	18
Salford	3·786	23
Eccles	3·713	23
Penketh	3·172	20
Wilmslow	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·354	30·378	30·386	30·378	30·346	30·350	30·374
Highest (Unreduced)	30·530	30·527	30·546	30·527	30·424	30·053	30·621
Lowest (Unreduced)	29·994	29·991	29·986	29·991	29·878	29·504	30·074
Range	0·532	0·536	0·560	0·536	0·546	0·549	0·587
Temperature.							
Adopted Mean	43·6	45·1	43·9	44·3	44·8	42·8	45·4
Range for Week	15·9	25·9	32·6	31·8	27·5	33·4	35·9
Daily Range	6·8	18·8	24·3	22·9	19·8	24·3	28·1
Maximum in Shade	50·6	60·8	62·6	62·0	57·9	60·4	63·9
Minimum in Shade	34·7	34·9	30·0	30·2	30·4	27·0	28·0
Temperature of Dew Point	40·2	40·1	39·2	38·3	40·7	38·9	39·9
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS
Degree of Humidity (Saturation—1,000)	0·876	0·830	0·833	0·787	0·862	0·862	0·809
Prevailing Winds	....	NW, SW	S	W, NW	S	S	N, NW
Rain	....	0·000	0·000	0·000	0·008	0·000	0·000
Ozonometer.							
Moffat	....	0·00	1·00	1·14	0·00	....	....
Schonbein	....	....	0·00	....	1·71	1·80	2·70

April 4, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, APRIL 11, 1868. No. 402

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 11th instant, 1416 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1438. The deaths among these patients amounted to 62, being in the proportion of 1 death to every 23 cases.

The present return cannot be regarded as satisfactory. There is a considerable increase in the cases of Fever; in the last return the number of cases was 57, in the present one it has risen to 111, 28 of which were ascribed to Typhus and 3 to Typhoid. We have not had to record such a large number of fever cases since the 15th of February, when they numbered 120. In the intervening period there was a notable decrease in the seizures from this disease.

There is a decrease in the cases of Measles, last week there were 13, in the present return 7 are entered—the number returned three weeks ago.

Scarlatina is becoming more prevalent. Last week 15 cases were reported, they have risen to 26 in the week under notice. In the former not a single case was returned in the twelve columns assigned to the Manchester Poor Law Districts, Workhouse, and Royal Infirmary; in the latter week 14 cases are entered in these columns.

The seizures from Whooping-Cough have risen from 16 to 19.

Bronchitis and kindred Chest Diseases have fallen to within 1 of the number returned on March 28th.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 234 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association.

Sixty-nine deaths were caused by diseases of the lungs, 14 by Fever, 13 each by Scarlatina and Measles, and 6 by Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 45·7°; at the Salford Observatory it was 44·0°; at Eccles 43·4°; and at Old Trafford 44·5°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment Dur

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	1	..	..	..	3	..	..
Scarlet Fever	1	1	1	..	..	1	4	3	1	..	1	4	1	1	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	1	..	..	..	11	3	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	.	1	1	..	..	..	2	1	..	4	..	..	..	11	4	4
Dysentery	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	1	..	..	1	..	..	..	..	..	..	1	..	..
Continued Fever	*a*2	..	1	..	..	1	4	..	..	..	..	..	..	..	..	..
Typhus	..	.	..	..	..	1	1	10	2	..	2	..	5	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Febricula	..	1	..	..	..	3	4	3	..	5	..	1	..	24	2	2
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	1	..	1	2	..	..	1	..	..	..	..	.
Puerperal Fever	..	..	..	..	..	..	..	1	...	..	..	..	..	..	..	.
Bronchitis and Catarrh	10	1	5	4	..	5	25	10	..	27	..	3	1	20	8	4
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	9	..	3
Pleurisy and Pneumonia	3	1	..	..	..	..	4	4	..	..	..	..	..	1	..	.
Phthisis	..	..	..	..	..	..	..	8	..	21	..	2	2	4	..	
Constitutional Syphilis	..	..	..	..	..	..	..	10	..	18	..	1	..	..	..	3
All other Diseases	23	8	21	8	4	8	72	74	19	136	3	6	10	15	47	2
Accidents	3	1	..	..	..	..	4	11	14	94	..	1	..	..	1	.
TOTAL	42	14	29	13	5	19	122	138	36	308	7	18	20	100	66	1

a Removed to Workhouse.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REEP,
(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
(13) Mr. H. RUNCOR
(14) „ J FINLAYSO
(15) „ J OGDEN FI
(16) „ J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 11th day of April, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
..... 1,329					.... 477.			.. 646. ..		508.	.... 2650.....				Area in Statute Acres.
..... 70,967.					.. 68,209. ..			.. 44,850.		21739	.....24,448.....				Population in 1861.
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	New Bailey 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
..	..	..	..	..	..	..	..	..	..	..	..	...	..	2	Small-pox	..
..	..	..	1	..	..	..	..	..	..	..	2	..	7	8	Measles	..
..	..	..	3	..	3	..	2	..	2	..	..	..	26	10	Scarlet Fever.....	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	4	..	..	..	..	..	..	..	..	..	19	5	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
2	1	..	5	5	..	..	..	..	2	..	..	1	42	37	Diarrhœa	2
..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	..	1	..	..	..	3	5	Erysipelas	..
1	2	8	4	..	..	2	..	..	2	1	..	1	25		Continued Fever	..
2	3	..	2	..	..	..	..	..	..	..	..	1	28	56	Typhus	3
.	..	..	1	..	..	..	..	1	..	..	..	..	3		Enteric or Typhoid ..	1
.	..	..	3	..	1	1	1	1	5	..	2	..	55		Febricula	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
.	..	..	4	..	1	1	..	..	1	..	..	..	11	80	Rheumatic Fever	..
.	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Puerperal Fever.....	1
2	3	..	32	4	5	7	3	..	7	1	7	22	201		Bronchitis & Catarrh	7
	..	..	4	..	..	..	..	..	..	..	..	..	15	194	Influenza	..
	..	..	2	..	..	..	..	..	2	..	..	2	15	20	Pleurisy & Pneumonia.	1
	3	..	8	1	1	3	..	4	3	..	2	3	66	56	Phthisis	8
	1	..	4	1	1	..	..	1	..	..	..	3	43	29	Constitutional Syphilis	..
	13	1	65	4	5	7	7	14	28	6	18	79	639	934	All other diseases	38
	1	..	40	..	1	1	1	1	24	..	20	1	215		Accidents	..
27	9	182	15	18	22	14	22	77	8	51	113	1416	1438		TOTAL	62

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,
(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,
(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

e reports of the Association, and has as far as practicable, been taken into account in the conclusions n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bowel.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	6	..	..	..	1	1	4	..	..	1	..	13	3
Whooping-cough	1	..	..	1	..	2	..	..	1	1	..	6	5
Scarlatina	1	3	1	1	1	1	2	2	..	1	..	13	6
Diarrhœa	..	..	..	..	2	1	1	..	..	1	..	5	8
Fever	2	2	5	2	..	..	*b*2	..	..	..	1	14	14
Diseases of the Lungs	7	9	7	3	4	11	2	4	9	10	3	69	88
Other causes	14	*a*8	21	*a*2	11	*a*5	*a*13	12	4	18	*a*6	114	125
TOTAL NO. OF DEATHS.	31	22	34	9	19	21	24	18	14	32	10	234	249
TOTAL NO. OF BIRTHS.	44	32	22	14	20	25	30	12	28	43	18	288	366

a 1 Inquest. *b* 1 Typhus and 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,315.

4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	4 Weeks ending 28th March.	TOTAL.	DISEASES.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	4 Weeks ending 28th March	TOTAL
5	5	6	16	Small-pox	2	3	..	5
76	77	64	217	Measles	21	22	24	67
29	36	22	87	Scarlet Fever	81	121	74	276
2	6	2	10	Diphtheria	..	2	1	3
82	92	61	235	Whooping-cough	198	151	74	423
1	2	1	4	Croup	3	3	7	13
126	196	220	542	Diarrhœa	123	191	146	460
2	2	5	9	Dysentery	7	16	14	37
..	..	..	..	Malignant Cholera	..	..	..	..
16	19	12	47	Erysipelas	25	37	24	86
5	9	5	19	Continued Fever	87	113	73	273
3	1	..	4	Typhus	136	139	107	382
1	6	1	8	Enteric or Typhoid	17	21	19	57
37	44	42	123	Febricula	160	179	134	473
1	..	..	1	Ague	4	1	1	6
93	83	72	248	Rheumatic Fever	168	233	120	521
..	..	..	..	Puerperal Fever	5	2	5	12
860	1055	824	2739	Bronchitis and Catarrh	1331	1280	831	3442
1	2	8	11	Influenza	49	28	30	107
39	39	44	122	Pleurisy and Pneumonia	104	128	64	296
99	116	113	328	Phthisis	305	376	277	958
40	19	54	113	Constitutional Syphilis	175	248	197	620
3030	3001	3561	9592	Accidents, and all other Diseases	4060	4812	3826	12698
4548	4810	5117	14475	TOTAL	7061	8106	6048	21215

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH

	Inches.	Wet Days.
Royton	5·200	21
Old Trafford	3·999	18
Salford	3·786	23
Eccles	3·713	23
Penketh	3·172	20
Wilmslow	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·904	29·908	29·911	29·908	29·912	29·897	29·915
Highest (Unreduced)	30·016	29·987	29·988	29·987	29·900	29·554	30·102
Lowest (Unreduced)	29·486	29·441	29·430	29·441	29·306	28·966	29·520
Range	0·530	0·546	0·558	0·546	0·594	0·588	0·582
Temperature.							
Adopted Mean	40·8	44·0	44·5	43·4	42·0	40·2	44·4
Range for Week	17·7	28·7	33·5	32·7	35·0	33·0	36·6
Daily Range	7·0	13·7	20·9	17·0	16·8	21·6	20·6
Maximum in Shade	50·9	61·5	63·5	62·5	59·4	60·0	63·0
Minimum in Shade	33·2	32·8	30·0	29·8	24·4	27·0	26·4
Temperature of Dew Point	37·6	36·4	37·6	34·0	36·6	34·6	35·7
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS
Degree of Humidity (Saturation—1,000)	0·882	0·740	0·761	0·666	0·812	0·896	0·713
Prevailing Winds	....	NE	NE	N, W	NE	NE	N, NE
Rain	....	0·028	0·041	0·039	0·058	0·130	0·102
Ozonometer.							
Moffat	....	0·14	1·28	2·57	0·00	....	....
Schonbein	....	....	0·28	....	3·57	2·18	4·40

April 11, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, APRIL 18, 1868. No. 403

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 18th instant, 1585 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1344. The deaths among these patients amounted to 61, being in the proportion of 1 death to every 26 cases.

There is an increase in the cases of all the diseases tabulated, with the exceptions of Continued Fever, Scarlatina, and Rheumatism.

Last week a considerable increase in the cases of Fever was reported.—in the present return the number is 102, showing a decrease of 9; 25 of these were entered as Typhus.

The number of Scarlatina cases has fallen from 26 to 17; it is still higher than it was a fortnight ago.

The cases of Whooping-Cough have risen from 19 to 24,—12 of these were treated at St Mary's Hospital.

Acute Rheumatism has been stationary the last three weeks, 12 cases are returned against 69 in the corresponding week of last year.

Bronchitis and other Acute Chest Diseases have risen from 231 in the previous week to 298 in the one under notice.

Small-Pox has not been seen in the public practice of Manchester and Salford in the course of the last seven weeks.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 286 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Seventy-eight of the deaths were caused by diseases of the lungs, 22 by Scarlatina, 18 by Fever, and 10 by Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 45·7°; at the Salford Observatory it was 44·9°; at Eccles 44·4°; and at Old Trafford 45·2°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	..	1	b1	..	2	2	..	..	..	1	..	1	..	
Scarlet Fever	..	..	..	..	..	2	2	..	..	..	1	2	1	..	3	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	2	..	..	..	..	2	..	..	4	..	..	..	12	3	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	.	2	..	..	..	..	2	1	..	7	..	..	1	6	2	
Dysentery	..	..	1	..	..	..	1	..	..	..	..	..	..	2	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	..	..	..	..	..	..	..	1	..	2	..	..	..	1	..	
Continued Fever	a4	..	..	..	..	2	6	..	..	..	..	..	..	..	..	
Typhus	..	..	..	..	b6	2	8	6	2	..	1	1	..	..	..	
Enteric or Typhoid	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Febricula	1	..	1	1	c3	..	6	7	1	..	..	3	..	10	2	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatic Fever	..	..	..	..	..	..	..	1	..	..	..	1	2	..	..	
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	
Bronchitis and Catarrh	8	5	2	3	5	5	28	12	..	54	2	2	3	25	5	
Influenza	..	..	..	..	..	..	..	..	..	5	..	..	..	10	..	
Pleurisy and Pneumonia	1	..	..	..	..	..	1	2	3	..	..	1	..	3	1	
Phthisis	..	..	2	..	..	2	4	4	2	32	..	..	3	9	..	
Constitutional Syphilis	..	..	..	..	..	..	..	5	..	17	..	..	1	1	..	
All other Diseases	13	8	21	10	4	12	68	70	20	179	1	4	8	32	33	
Accidents	4	1	..	1	1	..	7	6	19	96	..	..	..	..	..	
TOTAL	31	18	27	16	20	25	137	117	47	396	5	15	19	112	49	

a 3 Removed to Workhouse. *b* Removed to Workhouse. *c* 1 Removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
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(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
(13) Mr. H. RUNCO
(14) „ J FINLAYS
(15) „ J OGDEN
(16) „ J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TITIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 18th day of April, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.			.. 646. .		508.	.... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			.. 44,850.		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	New Bailey 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
..	..	..	..	..	..	..	..	..	..	..	..	...	..	..	Small-pox	..
..	..	..	2	..	..	..	..	..	..	..	..	..	8	18	Measles	..
..	..	..	4	..	..	..	1	..	..	1	..	2	17	15	Scarlet Fever.....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	Diphtheria	..
..	..	..	3	..	..	..	..	..	..	..	..	..	24	4	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
1	..	..	8	3	1	..	1	..	3	..	..	3	42	21	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	..	3	3	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	1	..	..	..	1	..	..	..	6	8	Erysipelas	..
53	..	8	5	..	..	2	..	..	2	..	1	4	31		Continued Fever	..
..	3	..	1	..	..	..	..	..	..	..	1	2	25	61	Typhus	1
..	..	..	1	..	..	..	..	..	..	..	..	..	1		Enteric or Typhoid ..	..
..	..	..	3	..	1	..	1	4	4	..	3	..	45		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	1	5	..	..	2	..	..	..	..	..	..	12	69	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
7	11	2	34	4	3	6	6	4	8	5	9	28	260		Bronchitis & Catarrh	6
..	..	..	3	..	..	..	..	..	..	..	..	..	20	202	Influenza	..
..	..	..	1	..	1	..	..	1	1	..	..	1	18	11	Pleurisy & Pneumonia.	1
..	2	2	11	..	3	..	1	..	3	..	2	5	84	64	Phthisis	10
..	1	..	6	..	1	..	..	2	..	..	..	6	43	31	Constitutional Syphilis	2
14	23	12	74	3	11	2	10	13	22	6	14	103	726	837	All other diseases	28
3	1	..	47	..	1	..	3	..	16	..	19	1	219		Accidents	12
28	41	25	208	10	23	12	23	24	60	12	49	156	1585	1344	TOTAL	61

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

n the reports of the Association, and has as far as practicable, been taken into account in the conclusions rawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	1	..	..	..	..	2	1	..	..	1	..	5	11
Whooping-cough	2	..	..	..	..	3	2	..	..	2	1	10	7
Scarlatina	2	4	..	3	2	2	..	..	2	5	2	22	7
Diarrhœa	..	2	..	..	2	1	1	..	..	..	1	7	3
Fever	..	3	5	..	..	*c*1	*e*6	2	..	..	*c*1	18	8
Diseases of the Lungs	13	13	11	5	6	6	4	1	4	11	4	78	61
Other causes	24	*a*11	23	*b*12	6	*d*5	*d*24	5	*a*8	18	*a*10	146	92
TOTAL NO. OF DEATHS.	42	33	59	20	16	20	38	8	14	37	19	286	190
TOTAL NO. OF BIRTHS.	56	41	15	12	13	26	25	30	31	55	27	331	252

a 1 Inquest. *b* 5 Inquests. *c* Typhus. *d* 2 Inquests. *e* 3 Typhus and 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	4 Weeks ending 28th March.	TOTAL.	DISEASES.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	4 Weeks ending 28th March	TOTAL
5	5	6	16	Small-pox	2	3	..	5
76	77	64	217	Measles	21	22	24	67
29	36	22	87	Scarlet Fever	81	121	74	276
2	6	2	10	Diphtheria	..	2	1	3
82	92	61	235	Whooping-cough	198	151	74	423
1	2	1	4	Croup	3	3	7	13
126	196	220	542	Diarrhœa	123	191	146	460
2	2	5	9	Dysentery	7	16	14	37
..	..	..	..	Malignant Cholera	..	..	..	..
16	19	12	47	Erysipelas	25	37	24	86
5	9	5	19	Continued Fever	87	113	73	273
3	1	..	4	Typhus	136	139	107	382
1	6	1	8	Enteric or Typhoid	17	21	19	57
37	44	42	123	Febricula	160	179	134	473
1	..	..	1	Ague	4	1	1	6
93	83	72	248	Rheumatic Fever	168	233	120	521
..	..	..	..	Puerperal Fever	5	2	5	12
860	1055	824	2739	Bronchitis and Catarrh	1331	1280	831	3442
1	2	8	11	Influenza	49	28	30	107
39	39	44	122	Pleurisy and Pneumonia	104	128	64	296
99	116	113	328	Phthisis	305	376	277	958
40	19	54	113	Constitutional Syphilis	175	248	197	620
3030	3001	3561	9592	Accidents, and all other Diseases	4060	4812	3826	12698
4548	4810	5117	14475	TOTAL	7061	8106	6048	21215

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH	Inches.	Wet Days.
Royton	5·200	21
Old Trafford	3·999	18
Salford	3·786	23
Eccles	3·713	23
Penketh	3·172	20
Wilmslow	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorogl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30 114	30·105	30·108	30·105	30·105	30·104	NO RETURN.
Highest (Unreduced)	30·330	30·271	30·278	30·271	30·146	29·818	
Lowest (Unreduced)	29·626	29·655	29·592	29·655	29 556	29·180	
Range	0·704	0·616	0·686	0·616	0·590	0·638	
Temperature.							
Adopted Mean	43·3	44·9	45·2	44·4	43·6	43·9	
Range for Week	21·2	28·9	36·0	33·7	33·5	33·4	
Daily Range	17·0	15·3	22·9	20·1	17·0	20·4	
Maximum in Shade	51·6	59·0	63·0	61·5	58·9	60·4	
Minimum in Shade	30·4	30·1	27·0	27·8	25·4	27·0	
Temperature of Dew Point	38·8	42·0	38·5	38·7	37·5	39·1	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)	0·704	0·897	0·775	0·804	0·709	0·890	
Prevailing Winds	....	NW,E	SW	NE,NW	SW	SW	
Rain	....	0·584	0·609	0·377	0·657	0·670	
Ozonometer.							
Moffat	....	....	2·43	2·14	0·00	....	
Schonbein	....	....	0·71	....	4·14	2·00	

April 18, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, APRIL 25, 1868. No. 404

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 25th instant, 1556 new cases of disease were observed in the public practice of Manchester and Salford. The deaths among these patients for the same period amounted to 55, being in the proportion of 1 death to every 28 cases.

The most unfavourable feature of the present return is the large number of Scarlatina and Fever cases.

Scarlatina has been more prevalent in the public practice of Manchester and Salford in the week under notice than in any previous one of this year; 30 cases are returned, 16 of which occurred in Manchester, and 5 each in Salford, Hulme, and Chorlton.

The cases of Continued Fever, though numerous, are fewer than in the preceding week; 96 are returned, 22 of which are assigned to Typhus and 19 to Typhoid Fever. All the cases of the latter disease were treated at St. Mary's Hospital.

There is a slight increase in the cases of Measles, 10 being returned instead of 8.

The number of cases of Whooping-Cough has fallen from 24 to 20, 9 of which were treated at St. Mary's Hospital.

Bronchitis and kindred chest affections are more prevalent than usual for this period of the year; there is a decrease in the return under this head, 269 being entered instead of 298, this number is considerably higher than the average weekly return in March.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 236 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Seventy-two deaths were caused by diseases of the lungs, 21 by Scarlatina, 13 by Fever, and 5 by Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the week was 50·2°; at the Salford Observatory it was 48·7°; at Eccles 48·2°; and at Old Trafford 49·6°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Di

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	1
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Measles	..	..	..	..	..	..	..	4	..	..	..	1	..	1	2	.
Scarlet Fever	1	..	..	..	2	2	5	2	..	..	..	5	1	1	1	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	.	..	3	1	..	4	..	..	..	..	..	..	9	2	.
Croup	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	
Diarrhœa	1	..	..	..	2	..	3	1	..	2	..	..	1	12	3	
Dysentery	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	
Continued Fever	*a*3	..	2	..	..	1	6	..	..	..	..	..	..	..	..	
Typhus	..	.	..	..	..	2	2	5	3	..	..	2	..	..	..	
Enteric or Typhoid	..	..	..	..	..	..	..	..	..	..	..	..	..	19	..	
Febricula	4	..	..	..	..	3	7	4	..	1	..	..	..	..	1	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatic Fever	..	1	..	..	1	..	2	1	..	*b*19	*b*2	1	..	..	..	
Puerperal Fever	..	..	..	..	..	..	..	3	...	..	..	..	..	..	..	
Bronchitis and Catarrh	7	5	5	1	5	3	26	14	2	49	3	1	3	27	11	
Influenza	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	
Pleurisy and Pneumonia	1	..	..	1	..	..	2	5	..	1	1	..	1	1	2	
Phthisis	..	..	1	1	1	..	3	6	1	24	..	2	1	1	..	
Constitutional Syphilis	..	..	..	..	..	..	..	12	..	17	..	..	..	2	1	
All other Diseases	22	4	9	14	7	10	66	82	20	72	5	10	8	44	73	
Accidents	..	..	2	2	..	1	5	7	22	82	..	2	..	..	..	
TOTAL	40	10	19	22	19	24	134	147	48	267	11	24	15	118	97	

a 1 Removed to Workhouse. *b* Rheumatism. *c* Removed to Workhouse.

Medical Officers to whom the Associati

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SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 25th day of April, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
.... 1,329					.... 477.			.. 646. ..		508	.... 2650.....				Area in Statute Acres.
.... 70,967.					.. 68,209. ..			.. 44,850.		21739	.....24,448.....				Population in 1861.
OOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's								
16	17	18	19	20	21	22	23	24	25	26	27	28			
..	..	..	..	..	..	..	..	..	..	..	..	...	..	..	Small-pox .....
..	..	..	2	..	..	..	..	..	..	..	..	..	10	17	Measles .....
..	2	..	3	..	2	..	3	..	2	..	..	3	30	11	Scarlet Fever.....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....
..	..	..	5	..	..	..	..	..	..	..	..	..	20	3	Whooping-cough ....
..	..	..	1	..	..	..	..	..	..	..	..	..	3	..	Croup .....
1	..	..	7	2	..	2	..	..	1	..	..	4	43	47	Diarrhœa .....
1	..	..	1	..	..	..	..	..	..	..	..	..	3	2	Dysentery .....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..
.	..	..	..	..	..	1	..	..	1	..	..	..	4	12	Erysipelas .....
.	..	1	4	..	..	3	..	..	2	3	1	..	20		Continued Fever ....
1	2	3	2	..	..	..	..	..	..	..	..	2	22	78	Typhus .....
.	..	..	..	..	..	..	..	..	..	..	..	..	19		Enteric or Typhoid ..
.	4	..	5	..	..	..	1	..	6	..	4	..	35		Febricula .....
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....
.	..	1	3	..	..	2	..	..	..	..	..	..	31	97	Rheumatic Fever ....
.	..	..	..	..	..	..	..	..	..	..	..	..	3	..	Puerperal Fever.....
6	4	1	31	2	2	7	4	6	11	2	6	19	240		Bronchitis & Catarrh
.	..	..	4	..	..	..	..	..	..	..	..	..	7	212	Influenza .....
.	..	..	2	..	..	2	..	..	1	..	2	1	22	19	Pleurisy & Pneumonia.
.	..	..	13	1	2	..	..	1	5	..	2	1	63	56	Phthisis .....
1	..	..	4	1	..	..	..	1	..	..	..	7	50	32	Constitutional Syphilis
5	25	19	94	2	10	5	6	18	33	4	16	91	724	875	All other diseases ....
2	..	..	46	..	1	..	..	..	15	..	25	..	207		Accidents .....
5	37	25	227	8	17	22	14	26	77	9	56	128	1556	1461	TOTAL .....

DEATHS.
..
..
1
..
..
2
1
..
..
..
1
4
..
..
..
..
1
10
..
2
6
2
19
55

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	1	..	1	..	..	..	..	..	..	..	2	9
Whooping-cough	1	..	..	..	..	2	1	..	..	1	..	5	8
Scarlatina	4	..	2	1	3	4	1	2	..	4	..	21	5
Diarrhœa	..	2	..	1	..	..	..	..	3	..	..	6	5
Fever	1	2	1	2	*b*1	..	5	1	..	..	..	13	10
Diseases of the Lungs	13	8	10	3	4	14	c4	3	4	7	2	72	65
Other causes	22	*a*8	16	7	4	*a*5	13	*a*1	6	22	5	117	150
TOTAL NO. OF DEATHS.	41	21	29	15	12	25	24	15	13	34	7	236	252
TOTAL NO. OF BIRTHS.	59	36	22	11	20	35	28	18	38	53	24	350	382

a 1 Inquest. *b* Typhus. *c* 3 Typhus and 1 Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,815.

4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	4 Weeks ending 28th March.	TOTAL.	DISEASES.	4 Weeks ending 25th Jan.	5 Weeks ending 29th Feb.	4 Weeks ending 28th March	TOTAL
5	5	6	16	Small-pox	2	3	..	5
76	77	64	217	Measles	21	22	24	67
29	36	22	87	Scarlet Fever	81	121	74	276
2	6	2	10	Diphtheria	..	2	1	3
82	92	61	235	Whooping-cough	198	151	74	423
1	2	1	4	Croup	3	3	7	13
126	196	220	542	Diarrhœa	123	191	146	460
2	2	5	9	Dysentery	7	16	14	37
..	..	..	..	Malignant Cholera	..	..	..	..
16	19	12	47	Erysipelas	25	37	24	86
5	9	5	19	Continued Fever	87	113	73	273
3	1	..	4	Typhus	136	139	107	382
1	6	1	8	Enteric or Typhoid	17	21	19	57
37	44	42	123	Febricula	160	179	134	473
1	..	..	1	Ague	4	1	1	6
93	83	72	248	Rheumatic Fever	168	233	120	521
..	..	..	..	Puerperal Fever	5	2	5	12
860	1055	824	2739	Bronchitis and Catarrh	1331	1280	831	3442
1	2	8	11	Influenza	49	28	30	107
39	39	44	122	Pleurisy and Pneumonia	104	128	64	296
99	116	113	328	Phthisis	305	376	277	958
40	19	54	113	Constitutional Syphilis	175	248	197	620
3030	3001	3561	9592	Accidents, and all other Diseases	4060	4812	3826	12698
4548	4810	5117	14475	TOTAL	7061	8106	6048	21215

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH

	Inches.	Wet Days.
Royton	5·200	21
Old Trafford	3·999	18
Salford	3·786	23
Eccles	3·713	23
Penketh	3·172	20
Wilmslow	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·489	29·482	29·483	29·482		29·473	29·469
Highest (Unreduced)	30·052	30·089	30·050	30·089		29·552	30·122
Lowest (Unreduced)	28·664	28·679	28·656	28·679		28·222	28·760
Range	1·388	1·410	1·394	1·410		1·330	1·362
Temperature.							
Adopted Mean	47·5	48·7	49·6	48·2	NO RETURN.	46·0	50·0
Range for Week	5·3	18·0	20·2	22·8		28·0	31·6
Daily Range	3·4	11·7	13·3	14·0		17·9	17·0
Maximum in Shade	50·7	59·2	60·2	59·3		58·0	64·8
Minimum in Shade	45·4	41·2	40·0	36·5		30·0	33·2
Temperature of Dew Point	45·3	43·7	44·6	43·3		41·5	44·4
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·920	0·832	0·838	0·841		0·851	0·811
Prevailing Winds	....	W	NE SE	W, SW		NW	W, NW
Rain	....	0·700	0·730	0·775		0·820	0·990
Ozonometer.							
Moffat	....	0·28	5·71	4·85		0·00	....
Schonbein	....	....	3·57	....		3·60	6·9

April 25, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, MAY 2, 1868. No. 405

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 2nd instant, 1352 new cases of disease were observed in the public practice of Manchester and Salford; a decrease of 204 in the number of the preceding week. The deaths among these patients for the same period amounted to 64, being in the proportion of 1 death to every 21 cases.

The number of Fever cases continues high, being 100,—5 more than in the previous week; 23 of these were returned as Typhus and 11 as Typhoid; 10 of the former were treated at the Manchester Workhouse.

There is a decrease in Scarlatina among patients coming under treatment at the public institutions; last week 30 cases were observed, 18 are entered in the present return.

Measles is week by week becoming more prevalent, the cases of this disease have risen from 10 in the last to 22 in the present return. It is now quite as generally distributed over the several districts as Scarlatina.

There is an increase of 2 in the cases of Whooping-Cough, 22 are entered in the present return, 15 of which were observed at St. Mary's Hospital.

The marked improvement in the weather of the week under notice has caused a considerable diminution in the cases of Bronchitis and other acute Chest Affections; 218 are returned against 269 in the preceding week.

The cases of Diarrhœa and Dysentery have risen from 46 to 53.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 262 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Seventy-seven deaths were caused by diseases of the lungs, 20 by Fever, 15 by Scarlatina, 9 by Whooping-Cough, and 7 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 53·0°; at the Salford Observatory it was 50 3°; at Eccles 49·0°; and at Old Trafford 52·0°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	1
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	2	..	3	..	5	3	..	..	..	..	1	2	1	
Scarlet Fever	..	2	..	..	..	..	2	1	1	..	..	1	..	..	3	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	.	..	..	1	..	1	..	..	1	..	..	..	15	1	
Croup	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	
Diarrhœa	..	..	..	3	2	1	6	1	..	5	..	..	..	12	4	
Dysentery	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	
Continued Fever	*a*2	..	1	..	..	..	3	..	1	..	..	...	..	7	..	
Typhus	..	..	..	..	..	..	..	10	3	..	1	2	..	..	..	
Enteric or Typhoid	..	..	..	..	..	3	3	2	1	..	..	..	1	..	..	
Febricula	1	..	1	..	..	2	4	3	1	..	..	..	..	17	5	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatic Fever	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	
Bronchitis and Catarrh	2	5	..	3	3	4	17	12	1	30	2	1	2	18	3	
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Pleurisy and Pneumonia	..	1	..	1	..	..	2	4	..	4	1	..	..	..	3	
Phthisis	1	..	1	1	2	..	5	4	..	23	..	6	2	1	..	
Constitutional Syphilis	..	..	..	..	..	..	..	12	..	16	..	..	..	..	..	
All other Diseases	28	6	9	5	10	13	71	76	26	82	5	7	10	31	23	
Accidents	1	2	..	6	..	..	9	5	15	49	1	2	1	..	..	
TOTAL	35	16	14	19	21	23	128	134	49	212	11	20	18	103	43	18

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.

(9), (10), (11), (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN

(13) Mr. H. RUNCORI
(14) ,, J FINLAYSON
(15) ,, J OGDEN FL
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 2nd day of May, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			..44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anncoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
6	17	18	19	20	21	22	23	24	25	26	27	28				
.	..	..	..	..	..	..	..	..	..	..	..	...	..	2	Small-pox	..
2	..	..	1	..	..	..	..	..	2	..	1	4	22	29	Measles	1
.	..	..	2	..	3	..	2	..	1	..	2	..	18	5	Scarlet Fever.	2
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
.	..	..	3	..	..	..	..	..	1	..	..	..	22	3	Whooping-cough	..
.	..	..	..	..	..	..	..	..	..	..	..	1	2	..	Croup	..
.	1	..	9	2	1	..	..	..	1	..	..	6	51	36	Diarrhœa	..
.	..	..	..	..	..	..	..	..	..	..	..	..	2	2	Dysentery	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
.	..	..	..	..	..	..	..	..	2	..	..	..	5	6	Erysipelas	1
.	..	1	6	..	..	..	..	..	1	..	..	..	20		Continued Fever	..
.	1	4	1	..	..	..	..	..	..	..	..	1	23	56	Typhus	3
.	1	..	2	..	..	..	..	1	..	..	..	..	11		Enteric or Typhoid ..	..
.	3	..	4	..	1	..	..	1	3	..	3	..	46		Febricula	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
.	..	..	4	..	1	1	..	..	..	1	..	..	9	81	Rheumatic Fever	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	1
4	4	..	35	2	4	4	5	5	6	2	8	23	191	211	Bronchitis & Catarrh	7
2	..	..	2	..	..	..	..	..	..	..	..	..	4		Influenza	..
.	..	..	4	..	..	..	..	..	1	1	2	..	23	19	Pleurisy & Pneumonia.	2
1	1	..	10	..	..	..	..	1	5	..	3	9	72	63	Phthisis	19
2	..	..	5	..	..	..	..	2	1	1	1	2	43	28	Constitutional Syphilis	..
3	25	14	71	3	12	5	14	16	17	5	10	75	613	978	All other diseases	26
..	2	..	42	..	..	..	..	3	12	1	30	1	175		Accidents	2
18	38	19	201	7	22	10	21	29	53	11	60	122	1352	1519	TOTAL	64

ıdebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
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(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	1	1	..	2	2	..	..	1	..	7	11
Whooping-cough	2	..	..	..	..	2	2	1	2	..	..	9	4
Scarlatina	3	2	1	..	2	..	1	1	3	2	..	15	4
Diarrhœa	..	1	..	..	..	..	..	..	..	..	..	1	6
Fever	5	..	*b*4	3	3	2	*d*2	..	..	1	..	20	14
Diseases of the Lungs	8	9	8	4	7	8	2	3	8	13	7	77	81
Other causes	15	*a*21	22	*c*11	8	3	*c*9	7	*e*15	18	4	133	112
TOTAL NO. OF DEATHS.	33	33	56	19	20	17	18	12	28	35	11	262	232
TOTAL NO. OF BIRTHS.	48	56	17	19	26	30	34	19	39	47	17	352	377

a 3 Inquests. *b* 3 Typhus. *c* 2 Inquests. *d* Typhus. *e* 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
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2	6	2	10	Diphtheria	..	2	1	3
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..	..	..	..	Malignant Cholera	..	..	..	..
16	19	12	47	Erysipelas	25	37	24	86
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3	1	.	4	Typhus	136	139	107	382
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..	..	..	..	Puerperal Fever	5	2	5	12
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4548	4810	5117	14475	TOTAL	7061	8106	6048	21215

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL

	Inches.	Wet Days.
Old Trafford	1·676	16
Royton	1·640	13
Salford	1·606	16
Penketh	1·591	16
Eccles	1·472	16
Wilmslow	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorogl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30 036	30·058	30·059	30·058		30·052	30·044
Highest (Unreduced)	30·125	30·125	30·142	30·125		29 684	30·220
Lowest (Unreduced)	29·764	29·787	29·798	29·787		29·350	29·896
Range	0·361	0·338	0·344	0·338		0·334	0·324
Temperature.							
Adopted Mean	48·5	50·3	52·0	49·0	NO RETURN.	48·9	51·8
Range for Week	11·1	31·1	36·5	34·3		36·6	43·7
Daily Range	3·2	16·3	20·0	17·8		17·2	21·7
Maximum in Shade	55·1	70·0	73·0	69·0		68·0	75·7
Minimum in Shade	44·0	38·9	36·5	34·7		31·4	32·0
Temperature of Dew Point	45·4	42·9	42·9	41·7		43·5	42·9
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·888	0·767	0·715	0·760		0·817	0·717
Prevailing Winds	....	NW, SW	S, SW	WNW, WSW		S, SW	S, SW
Rain	....	0·298	0·269	0·281		....	0·312
Ozonometer.							
Moffat	....	1·28	7·14	5·71		....	....
Schonbein	....	....	2·43	....		....	6·60

May 2, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, MAY 9, 1868. No. 406

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 9th instant, 1484 new cases of disease were observed in the public practice of Manchester and Salford. The deaths among these patients for the same period amounted to 54, being in the proportion of 1 death to every 27 cases.

The present return is unfavourable, zymotic diseases prevailing to a great extent.

Continued Fever has been very prevalent during the last five weeks, the weekly average of cases being over 100; 97 cases are returned for the week under notice—3 less than in the previous week; 27 of these are entered as Typhus and 7 as Typhoid Fever, 12 of the former were treated at the Manchester Workhouse.

There is an increase in the cases of Scarlatina, 24 being returned instead of 18; it does not seem to be much more prevalent in one district than in another.

There is a slight decrease in the cases of Measles, last week 22 were returned—the largest number in any week this year; in the present return there are 17, which were very generally distributed over the several districts. There is no reason to believe that this disease is about to decline.

There is a considerable improvement under Whooping-Cough, the cases have fallen from 22 in the previous week to 10, 8 of which occurred in Manchester, and 7 out of the 8 were treated at St. Mary's Hospital.

The cases of Bronchitis and other acute chest affections have risen from 218 to 240; whilst the cases of Diarrhœa and Dysentery have fallen from 53 to 42.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 244 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Sixty-eight deaths were caused by diseases of the lungs, 26 by Scarlatina, 13 by Fever, 8 by Whooping-Cough, and 6 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 53·3°; at the Salford Observatory it was 51·7°; at Eccles 50·9°; and at Old Trafford 52·5°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol 1
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Measles	..	..	1	2	..	..	3		..	..	..	..	..	2	1	.
Scarlet Fever	1	..	2	..	..	..	3	3	..	..	..	1	2	2	3	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	.	..	..	..	..	..	..	..	..	..	..	..	7	1	
Croup	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	
Diarrhœa	..	..	..	..	..	..	..	2	..	1	..	..	..	6	7	
Dysentery	..	..	2	..	..	..	2	..	..	..	..	..	..	..	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	..	..	..	..	..	1	1	1	..	1	..	..	..	..	..	
Continued Fever	*a*5	..	1	..	*a*1	..	7	..	..	..	..	..	..	..	..	
Typhus	..	.	..	..	..	..	..	12	3	..	1	1	1	..	1	
Enteric or Typhoid	..	*a*1	..	..	..	1	2	1	..	..	..	..	..	..	..	
Febricula	..	..	1	4	..	1	6	..	..	..	..	..	1	1	1	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatic Fever	..	..	..	..	..	..	..	1	3	..	..	..	..	..	..	
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	
Bronchitis and Catarrh	1	8	1	2	1	5	18	13	2	34	2	1	1	28	4	6
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Pleurisy and Pneumonia	2	1	..	..	..	..	3	2	2	..	..	1	..	..	1	
Phthisis	..	..	1	..	..	1	2	5	1	24	..	2	5	5	1	
Constitutional Syphilis	..	..	..	..	..	..	..	3	1	16	..	..	..	..	1	
All other Diseases	15	5	5	4	2	10	41	81	25	80	3	11	5	50	85	22
Accidents	3	..	..	1	2	..	6	7	20	52	1	1	1	..	..	
TOTAL	27	15	14	13	6	19	94	132	57	208	7	18	16	119	106	29

a Removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.

(9), (10), (11), (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN

(13) Mr. H. RUNCO
(14) ,, J FINLAYSO
(15) ,, J OGDEN F
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

UTIONS OF MANCHESTER AND ADJOINING DISTRICTS.

e Week ending the 9th day of May, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.			.. 646. ..		508	.... 2650.....					Area in Statute Acres.
..... 70,967.					.. 68,209. ..			.. 44,850.		21739	.....24,448.....					Population in 1861.
Poor Law District		Public Institutions.			Poor Law Districts			Poor Law District		Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total	Corresponding Week last Year.	DISEASES.	DEATHS.
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	New Bailey 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District 24	Dispensary. 25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	...	..	7	Small-pox	..
..	1	1	3	..	..	..	1	..	1	..	..	4	17	9	Measles	2
..	..	..	4	..	1	..	..	..	2	..	3	..	24	6	Scarlet Fever.	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	2	..	..	..	..	..	..	..	..	..	10	5	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	Croup	..
1	2	..	9	3	..	..	1	..	2	..	..	2	40	40	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	..	2	5	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	..	..	..	2	..	5	6	Erysipelas	..
..	..	4	5	..	..	3	1	..	..	..	..	..	20		Continued Fever	1
..	1	..	2	..	..	..	1	..	..	..	..	4	27	58	Typhus	4
..	1	..	3	..	..	..	..	..	.	..	..	..	7		Enteric or Typhoid ..	1
..	..	..	3	..	2	..	3	..	4	..	3	..	43		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	2	2	..	..	2	..	..	1	..	..	..	11	99	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
6	4	1	31	4	3	8	1	3	5	5	11	32	220		Bronchitis & Catarrh	4
..	..	..	..	..	..	..	..	..	..	..	..	1	3	182	Influenza	..
..	..	1	3	..	..	..	..	..	2	..	2	..	17	21	Pleurisy & Pneumonia.	..
..	1	2	11	..	4	..	1	1	3	..	4	6	79	69	Phthisis	12
..	..	..	8	1	..	..	..	1	..	..	..	8	41	53	Constitutional Syphilis	1
22	24	15	82	2	10	5	6	14	29	5	7	111	718	1007	All other diseases	23
..	..	..	55	..	..	..	1	..	20	1	32	1	198		Accidents	3
29	34	26	223	10	20	18	16	19	69	11	61	169	1484	1569.	TOTAL	54

es indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

n the reports of the Association, and has as far as practicable, been taken into account in the conclusions rawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Choriton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tship., Mr. Hadsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	1	..	2	1	..	..	1	..	6	8
Whooping-cough	1	1	1	..	..	..	1	2	1	..	1	8	8
Scarlatina	4	7	1	..	3	2	2	..	2	4	1	26	4
Diarrhœa	1	..	..	..	..	..	..	..	1	..	..	2	4
Fever	..	1	5	2	..	*b*2	2	..	..	1	..	13	8
Diseases of the Lungs	12	7	5	3	7	8	1	2	8	7	8	63	78
Other causes	15	6	17	*a*6	11	5	*c*15	10	*d*6	25	5	121	142
TOTAL NO. OF DEATHS.	34	22	29	12	21	19	22	14	18	38	15	244	252
TOTAL NO. OF BIRTHS.	38	50	21	22	17	35	27	18	40	69	31	371	348

a 1 Inquest. *b* Typhus. *c* 2 Inquests. *d* 1 Diphtheria.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161630.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Feb.	4 Weeks ending 28th March.	4 Weeks ending 25th April.	TOTAL.	DISEASES.	5 Weeks ending 29th Feb.	4 Weeks ending 28th March	4 Weeks ending 25th April.	TOTAL
5	6	2	13	Small-pox	3	..	..	3
77	64	85	226	Measles	22	24	38	84
36	22	38	96	Scarlet Fever	121	74	88	283
6	2	1	9	Diphtheria	2	1	1	4
92	61	73	226	Whooping-cough	151	74	79	304
2	1	1	4	Croup	3	7	4	14
196	220	260	676	Diarrhœa	191	146	161	498
2	5	2	9	Dysentery	16	14	14	44
..	..	..	..	Malignant Cholera	..	..	..	..
19	12	21	52	Erysipelas	37	24	23	84
9	5	7	21	Continued Fever	113	73	92	278
1	..	1	2	Typhus	139	107	95	341
6	1	4	11	Enteric or Typhoid	21	19	27	67
44	42	52	138	Febricula	179	134	152	465
..	..	..	..	Ague	1	1	..	2
83	72	70	225	Rheumatic Fever	233	120	65	418
..	..	..	..	Puerperal Fever	2	5	4	11
1055	824	818	2697	Bronchitis and Catarrh	1280	831	929	3040
2	8	4	14	Influenza	28	30	55	113
39	44	35	118	Pleurisy and Pneumonia	128	64	78	270
116	113	96	325	Phthisis	376	277	297	950
19	54	40	113	Constitutional Syphilis	248	197	190	635
3001	3561	3808	10370	Accidents, and all other Diseases	4812	3826	3770	12408
4810	5117	5418	15345	TOTAL	8166	6048	6162	20316

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL

	Inches.	Wet Days.
Wilmslow	1,955	16
Old Trafford	1·676	16
Royton	1·649	13
Salford	1·606	16
Penketh	1·591	16
Eccles	1·472	16

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29 936	30·008	30·009	30·008	29 835	29·988	
Highest (Unreduced)	30·521	30·227	30·266	30·227	30 116	29·770	
Lowest (Unreduced)	29·184	29·699	29·680	29·699	29·596	29·200	
Range	1·137	0·528	0·586	0·528	0 520	0·570	
Temperature.							
Adopted Mean	47·2	51·7	52·5	50·9	49·0	50·0	
Range for Week	15·0	34 7	40·5	40·6	37·0	39·0	
Daily Range	2·9	18·7	24·5	22·6	18·0	23 2	
Maximum in Shade	55·2	72·2	77·5	73·5	70·1	72·0	
Minimum in Shade	40·2	38·5	37 0	32·9	33·1	33·0	
Temperature of Dew Point	46·8	43·0	40·9	40·5	40·6	41·1	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)	0·801	0·729	0·655	0·683	0 727	0·714	
Prevailing Winds	....	E,S	SW.NE	E,SE	S,SW	SW	
Rain	....	....	0·000	....	0·064	0·190	
Ozonometer.							
Moffat	....	0·28	1·86	2·28	....	....	
Schonbein	....	....	0·14	....	4 28	2·00	

NO RETURN.

May 9, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, MAY 16, 1868. No. 407

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 16th instant, 1615 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1462. The deaths among these patients amounted to 52, being in the proportion of 1 death to every 31 cases.

The present report is more unfavourable than the one for the previous week; all the diseases of the zymotic class have increased in prevalency.

Continued Fever is steadily increasing; last week 97 cases were returned, in the week under consideration they have risen to 105; 39 of these were cases of Typhus and 7 of Typhoid Fever; 10 of the former were treated at the Manchester Workhouse and 16 at the Chorlton Union Workhouse.

Measles continues to spread, last week 17 cases were reported, in the present one they have risen to 26—the largest number for any one week of this year.

Scarlatina is increasing in prevalency and has also, in the week under notice, reached its highest point for this year.

The cases of Whooping-Cough have risen from 10 to 13.

With the advance of the season Diarrhœa and Dysentery are becoming more common, the cases have risen from 42 to 62.

Bronchitis and other acute chest affections are decreasing, 213 cases are reported against 240 in the previous return.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 235 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Seventy-seven of the deaths were caused by diseases of the lungs, 22 by Scarlatina, 8 by Fever, and 5 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 57·5°; at the Salford Observatory it was 55·6°; at Eccles 54·9°; and at Old Trafford 56·6°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	1	3	3	4	1	12	2	..	1	..	..	..	1	2	..
Scarlet Fever	..	..	..	..	1	..	1	3	1	..	1	4	3	1	2	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	1	..	..	..	..	2	..	..	..	..	..	..	5	1	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Diarrhœa	1	..	..	..	1	..	2	3	..	7	..	..	1	12	8	6
Dysentery	1	..	..	..	..	..	1	..	..	..	..	..	..	2	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	2	..	..	..	1	..	..	..	..
Continued Fever	..	..	3	..	a1	1	5	..	..	..	..	..	..	..	..	..
Typhus	..	..	..	..	..	..	..	10	3	..	..	2	1	..	..	1
Enteric or Typhoid	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Febricula	1	.	..	..	..	4	5	..	1	5	..	1	1	11	2	2
Ague	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..
Rheumatic Fever	..	..	..	1	..	..	1	1	..	..	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	1	3	1	1	2	..	8	12	..	32	2	4	..	28	5	3
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	2
Pleurisy and Pneumonia	2	..	1	3	..	..	6	5	1	..	..	1	..	1	..	..
Phthisis	1	2	..	..	..	..	3	7	..	15	2	2	1	11	1	1
Constitutional Syphilis	..	..	..	..	..	2	2	10	1	24	..	..	2	..	1	3
All other Diseases	15	6	11	11	6	5	54	69	32	174	6	4	6	35	71	4
Accidents	1	1	..	2	..	..	4	10	12	69	..	3	1	..	1	..
TOTAL	24	14	19	21	15	13	106	136	51	328	11	22	16	113	94	22

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2 „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON

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SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 16th day of May, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329					477			646		508	2650				Area in Statute Acres.	
70,967					68,209			44,850		21739	24,448				Population in 1861.	
Poor Law District		Public Institutions.			Poor Law Districts			Poor Law District.		Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.							
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	...	..	4	Small-pox	..
..	..	..	2	..	..	1	1	..	3	..	..	1	26	16	Measles	2
..	1	2	4	..	2	1	3	..	2	1	1	..	33	6	Scarlet Fever	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	2	..	..	..	..	..	3	..	..	..	13	7	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	..
1	2	..	6	3	..	..	1	..	1	..	..	6	59	33	Diarrhœa	1
.	..	..	..	..	..	..	..	..	..	..	..	..	3	2	Dysentery	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
.	..	..	..	..	..	..	..	..	1	..	..	..	4	4	Erysipelas	..
.	..	7	4	..	..	..	1	..	2	..	..	..	19		Continued Fever	..
1	..	..	3	..	..	..	1	a1	..	..	..	16	39	53	Typhus	1
.	..	..	3	..	..	..	..	..	..	2	1	..	7		Enteric or Typhoid	1
.	..	..	2	..	..	2	3	..	3	..	2	..	40		Febricula	..
.	..	..	..	..	..	..	..	..	..	..	..	..	2	..	Ague	..
.	..	..	4	..	..	..	..	..	..	..	1	..	7	71	Rheumatic Fever	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever	..
5	5	2	36	6	4	4	2	2	5	1	4	14	185		Bronchitis & Catarrh	7
	..	..	2	..	..	..	..	..	..	..	..	..	9	214	Influenza	..
	1	..	2	1	..	..	..	..	1	..	..	..	19	19	Pleurisy & Pneumonia.	5
	1	..	13	..	..	..	..	..	4	..	3	11	78	69	Phthisis	9
	1	..	6	..	2	..	..	..	..	..	2	16	71	43	Constitutional Syphilis	..
	19	17	86	3	12	4	16	14	33	4	7	98	780	921	All other diseases	21
	2	..	55	..	..	..	1	5	27	..	30	..	220		Accidents	2
32	28	230	13	20	12	29	22	85	8	51	162	1615	1462		TOTAL	52

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

e reports of the Association, and has as far as practicable, been taken into account in the conclusions n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	2	1	..	..	1	1	5	14
Whooping-cough	..	1	..	..	..	..	1	..	1	1	..	4	8
Scarlatina	4	5	..	..	4	2	..	1	..	5	1	22	8
Diarrhœa	..	..	..	..	..	..	..	..	..	..	..	..	10
Fever	3	2	*b*2	..	..	1	..	..	..	..	..	8	7
Diseases of the Lungs	16	5	12	3	8	9	4	3	2	9	6	77	86
Other causes	13	*a*15	9	*a*8	4	6	*a*16	7	*a*13	17	11	119	116
TOTAL NO. OF DEATHS.	36	28	23	11	16	20	22	11	16	33	19	235	249
TOTAL NO. OF BIRTHS.	45	41	10	19	18	30	46	22	35	68	24	358	328

a 1 Inquest. *b* 1 Typhus and 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,815.

5 Weeks ending 29th Feb.	4 Weeks ending 28th March.	4 Weeks ending 25th April.	TOTAL.	DISEASES.	5 Weeks ending 29th Feb.	4 Weeks ending 28th March	4 Weeks ending 25th April.	TOTAL
5	6	2	13	Small-pox	3	..	..	3
77	64	85	226	Measles	22	24	38	84
36	22	38	96	Scarlet Fever	121	74	88	283
6	2	1	9	Diphtheria	2	1	1	4
92	61	73	226	Whooping-cough	151	74	79	304
2	1	1	4	Croup	3	7	4	14
196	220	260	676	Diarrhœa	191	146	161	498
2	5	2	9	Dysentery	16	14	14	44
..	..	..	..	Malignant Cholera	..	..	..	..
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9	5	7	21	Continued Fever	113	73	92	278
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..	..	..	..	Puerperal Fever	2	5	4	11
1055	824	818	2697	Bronchitis and Catarrh	1280	831	929	3040
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4810	5117	5418	15345	TOTAL	8106	6048	6162	20316

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL

	Inches.	Wet Days.
Wilmslow	1,955	16
Old Trafford	1·676	16
Royton	1·640	13
Salford	1·606	16
Penketh	1·591	16
Eccles	1·472	16

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	30·019	29·827	30·019	NO RETURN.	29·990	30·013
Highest } Unreduced		30·295	30·298	30·295		29·831	13·385
Lowest } Unreduced		29·685	29·686	29·685		29·240	29·778
Range		0·610	0·612	0·610		0·591	0·607
Temperature.							
Adopted Mean		55·6	56·6	54·9		53·5	56·6
Range for Week		22·4	27·5	27·6		30·5	36·3
Daily Range		13·9	21·3	18·6		20·0	23·8
Maximum in Shade		67·5	70·0	68·5		68·0	74·3
Minimum in Shade		45·1	42·5	40·9		37·5	38·0
Temperature of Dew Point		46·8	47·9	45·9		46·4	49·4
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·726	0·726	0·713		0·770	0·766
Prevailing Winds		W,SW	S.SE	W,SW		NW	S,SW
Rain		0·136	0·170	0·247		0·060	0·201
Ozonometer.							
Moffat		....	2·57	2·14		....	....
Schonbein		....	0·28	....		3·18	4·40

May 16, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, MAY 23, 1868. No. 408

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 23rd instant, 1482 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1557. The deaths among these patients amounted to 54, being in the proportion of 1 death to every 27 cases.

The present return is more favourable than the preceding one.

There is a considerable improvement under Continued Fever; last week the number of new cases amounted to 105, this week 83 are returned, 23 of which were cases of Typhus and 4 of Typhoid Fever; 9 of the former were received into the Chorlton Union Workhouse.

Scarlatina remains at the same figure as last week; 33 cases are returned; in the corresponding week of last year the number was 8.

There is a slight decrease in the cases of Measles; in the preceding week there were 26 cases, in the one under notice 22.

There is an improvement under Whooping-Cough, the number of cases having fallen from 13 to 6.

The increase in the cases of Diarrhœa and Dysentery is but slight, 66 cases being returned against 62 in the preceding week.

Bronchitis and other acute affections of the lungs continue to decline; last week 213 cases were reported, this week the number has fallen to 179.

Small-Pox, which has been absent from the public practice of Manchester and Salford during the last three months, again appears in the list of diseases,—3 cases occurred in the course of the past week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 235 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Sixty-seven of the deaths were caused by diseases of the lungs, 26 by Scarlatina, 14 by Fever, and 6 by Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 59·4°; at the Salford Observatory it was 58 8°; at Eccles 58·6°; and at Old Trafford 60·7°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Measles	..	..	2	..	1	2	5	2	..	..	..	..	..	4	3	
Scarlet Fever	2	..	..	..	1	2	5	3	..	..	..	..	3	5	1	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	2	1	..	..	..	1	4	2	..	13	..	..	3	11	9	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	
Continued Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	
Typhus	..	.	..	..	..	3	3	3	1	..	1	2	1	..	..	
Enteric or Typhoid	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	
Febricula	..	.	1	..	..	2	3	..	..	..	..	..	..	8	4	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatic Fever	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	
Bronchitis and Catarrh	1	7	3	1	2	3	17	14	1	15	..	4	2	13	9	
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Pleurisy and Pneumonia	1	..	..	..	..	1	2	2	..	2	..	..	1	1	1	
Phthisis	..	1	..	..	..	1	2	7	..	23	1	1	1	2	..	
Constitutional Syphilis	..	..	..	..	..	..	..	5	1	14	..	..	..	2	1	
All other Diseases	16	2	11	5	3	7	44	74	19	137	2	3	3	59	69	
Accidents	..	..	..	..	..	..	..	12	18	117	..	3	2	..	..	
TOTAL	22	11	17	6	7	22	85	126	42	323	4	13	16	112	98	1

a Removed to Workhouse.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2 ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN
(13) Mr. H. RUNCOR
(14) ,, J FINLAYSO
(15) ,, J OGDEN F
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 23rd day of May, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.			.. 646. ..		508	..... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			..44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
16	17	18	19	20	21	22	23	24	25	26	27	28				
*a*1	..	1	1	..	..	..	..	..	..	..	..	...	3	1	Small-pox	..
..	..	1	3	..	..	..	2	..	1	..	..	1	22	14	Measles	..
..	..	2	6	..	3	2	..	..	3	..	..	..	33	8	Scarlet Fever.....	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	3	..	..	..	..	..	..	..	..	..	6	17	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
3	1	..	8	2	..	..	..	..	1	..	..	3	63	32	Diarrhœa	1
..	..	..	..	..	..	..	1	..	..	..	..	..	3	1	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	1	..	..	..	..	4	2	Erysipelas	..
*a*2	..	6	3	..	..	3	..	..	..	..	..	..	17		Continued Fever	..
..	..	..	..	..	..	..	..	*a*3	..	..	..	9	23	51	Typhus	4
..	..	..	1	..	..	..	..	1	1	..	..	..	4		Enteric or Typhoid ..	..
2	2	..	5	..	2	..	1	..	7	..	3	..	39		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	1	2	3	..	..	..	..	1	..	..	..	..	9	64	Rheumatic Fever	..
..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	Puerperal Fever.....	..
1	3	..	32	4	4	5	4	1	6	2	9	12	162	250	Bronchitis & Catarrh	9
..	..	..	..	..	..	..	..	..	..	..	..	..	2		Influenza	..
..	..	..	2	1	..	..	1	..	..	..	2	..	15	13	Pleurisy & Pneumonia.	1
1	4	3	9	..	1	..	..	1	..	..	2	8	66	92	Phthisis	8
..	1	..	4	2	..	..	..	1	..	..	1	9	44	40	Constitutional Syphilis	..
8	13	8	70	2	10	3	11	15	27	5	8	97	701	971	All other diseases	26
..	5	..	52	..	1	1	..	..	18	..	36	..	265		Accidents	2
28	30	23	202	11	21	15	20	24	64	7	61	139	1482	1557	TOTAL	54

indebted for the annexed Returns.

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Small Pox	..	..	..	..	1	..	..	..	..	..	..	1	..
Measles	..	..	..	..	..	..	2	..	..	1	..	3	1
Whooping-cough	..	2	..	..	..	1	..	..	..	3	..	6	10
Scarlatina	3	4	1	1	3	1	2	1	6	4	..	26	6
Diarrhœa	2	2	..	..	..	..	..	..	..	1	..	5	8
Fever	2	1	*a* 2	2	..	*b* 2	*c* 2	..	*e* 1	*f* 2	..	14	6
Diseases of the Lungs	7	10	6	1	3	12	7	5	3	9	4	67	67
Other causes	15	18	13	5	7	5	*d* 11	6	11	15	*g* 7	113	119
TOTAL NO. OF DEATHS.	29	37	22	9	14	21	24	12	21	35	11	235	217
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Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·870	29·878	29·870	29·876	29·870	29·862
Highest (Unreduced)		30·090	30·094	30·090	29·992	29·636	30·182
Lowest (Unreduced)		29·313	29·340	29·313	29·236	28·860	29·365
Range		0·777	0·754	0·777	0·756	0·776	0·817
Temperature.							
Adopted Mean		58·8	60·7	58·6	57·2	57·4	60·7
Range for Week		36·8	44·0	43·6	33·1	44·6	52·9
Daily Range		16·7	20·9	20·9	16·7	21·1	25·8
Maximum in Shade		80·9	86·0	82·5	77·4	81·0	88·4
Minimum in Shade		44·1	42·0	38·9	44·3	36·4	35·5
Temperature of Dew Point		50·0	50·8	48·7	48·5	49·2	50·4
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·730	0·695	0·690	0·729	0·743	0·685
Prevailing Winds		SE, SW	S	ESE, WSW	S	SW	SE, SW
Rain		0·315	0·428	0·396	0·565	0·630	0·916
Ozonometer.							
Moffat		0·14	7·71	4·85	....	....	....
Schonbein		....	0·00	....	4·57	4·20	5·50

May 23, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, MAY 30, 1868. No. 409

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, May the 30th, 1413 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1521. The deaths among these patients during the week amounted to 55, being in the proportion of 1 death to every 25 cases.

Continued Fever remains much the same as it was last week, 84 cases are returned, showing an increase of 1 upon the number for the former week; 31 of these were assigned to Typhus and 2 to Typhoid Fever. In the previous return the number of Typhus Fever cases was 23.

Scarlatina is becoming more prevalent; the number of cases for the two preceding weeks respectively was 33, in the present return the number has risen to 35, 9 of these were treated at St. Mary's Hospital.

The cases of Measles have fallen from 22 to 18, 13 of these occurred in Manchester, 3 in Salford, and 2 in Ardwick.

There is a slight increase in the cases of Whooping-Cough, 9 being returned against 7 in the preceding week.

Diarrhœa and Dysentery have not been so prevalent during the week, 35 cases are returned. In the preceding week the number was 66.

Bronchitis and other acute chest diseases have been more frequent, 194 cases are returned, being 15 more than in the previous week.

Not a single case of Small-Pox occurred during the week in the public practice of Manchester and Salford.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 219 deaths were registered in the eleven districts which supply returns to the Sanitary Association. In the corresponding week of last year the number was 248.

Fifty-nine deaths were caused by Diseases of the Lungs, 22 by Scarlatina, 13 by Measles, 10 by Fever, and 5 by Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 59·2°; at the Salford Observatory it was 56·7°; at Eccles 56·3°; and at Old Trafford 59·1°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALI

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment L

	MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
	Poor Law Districts.							Public Institutions.							
									Royal Infirmary					Children	
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	1	..	1	..	3	5	..	..	..	..	2	..	3	3
Scarlet Fever	..	1	..	..	..	..	1	..	..	..	4	..	1	9	3
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	5	1
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	1	..	..	..	..	1	2	..	1	..	..	1	5	6
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Continued Fever	*a*4	..	..	..	..	..	4	..	..	..	..	..	..	2	..
Typhus	..	..	..	..	..	6	6	9	6	..	2	..	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Febricula	4	..	..	1	..	1	6	3	..	..	..	1	1	16	1
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	2	2	*b*24	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	..	3	3	2	2	5	15	10	..	48	..	2	1	18	..
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia	..	..	..	1	..	..	1	3	1	1	..	..	1	..	2
Phthisis	..	..	..	2	..	..	2	3	1	22	2	1	1	6	..
Constitutional Syphilis	..	..	..	..	..	..	..	10	1	17	..	..	1	1	1
All other Diseases	22	11	9	5	4	4	55	62	25	65	4	2	11	49	45
Accidents	3	1	..	..	..	..	4	12	18	96	..	1	..	..	..
TOTAL	33	18	12	12	6	19	100	116	54	274	12	9	19	115	62

a Removed to Workhouse. *b* Rheumatism.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN
(13) Mr. H. RUNCO
(14) ,, J FINLAYS
(15) ,, J OGDEN
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 30th day of May, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
..... 1,329					.... 477.			.. 646. ..		508.	.... 2650.....				Area in Statute Acres.
..... 70,967.					.. 68,209. ..			.. 44,850.		21739	.....24,448.....				Population in 1861.
Poor Law District		Public Institutions.			Poor Law Districts										
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	New Bailey 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
..	..	..	..	..	..	..	..	..	..	..	..	...	..	..	Small-pox	..
..	..	..	3	..	..	..	..	..	..	..	2	..	18	14	Measles	3
..	1	..	3	..	3	3	..	1	3	..	1	1	35	8	Scarlet Fever.	5
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	1	..	..	..	..	..	..	..	..	..	7	9	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
1	1	..	9	3	..	..	..	..	..	..	..	1	34	38	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	Erysipelas	..
..	..	5	2	..	..	..	..	..	1	..	..	..	14		Continued Fever	..
..	2	..	1	..	..	..	..	..	..	..	..	5	31	60	Typhus	5
..	..	..	1	..	1	..	..	..	..	..	..	..	2		Enteric or Typhoid ..	1
..	..	..	3	..	2	..	1	2	..	..	1	..	37		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	1	2	..	..	1	..	..	..	..	..	..	32	78	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	2	..	..	2	..	Puerperal Fever.....	..
4	7	..	29	6	2	6	5	2	3	..	6	10	177	214	Bronchitis & Catarrh	2
..	..	..	..	..	..	..	..	..	..	..	..	..	2		Influenza	..
..	1	..	1	..	1	..	..	..	1	..	1	1	15	12	Pleurisy & Pneumonia.	2
..	..	..	13	..	2	..	..	1	1	..	2	5	62	85	Phthisis	8
..	..	..	6	..	..	..	..	1	..	..	..	4	44	45	Constitutional Syphilis	..
12	33	18	97	3	10	4	9	20	20	4	10	97	658	951	All other diseases	25
1	2	..	54	..	1	2	..	..	22	..	24	3	241		Accidents	3
18	47	24	225	12	22	16	15	27	51	6	47	127	1413	1521	TOTAL	55

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

. the reports of the Association, and has as far as practicable, been taken into account in the conclusions rawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	1	..	..	..	..	1	1
Measles	1	4	1	..	..	..	..	1	1	5	..	13	8
Whooping-cough	..	..	..	..	..	1	..	..	3	1	..	5	10
Scarlatina	1	4	..	1	2	1	4	..	4	5	..	22	5
Diarrhœa	..	2	..	..	..	..	1	..	..	..	..	3	7
Fever	..	2	*b*4	..	..	*b*4	..	..	..	..	..	10	11
Diseases of the Lungs	11	2	7	3	10	7	3	..	5	8	3	59	79
Other causes	12	*a* 13	11	*c*5	6	6	*d*19	6	6	17	5	106	127
TOTAL NO. OF DEATHS.	25	27	23	9	18	19	28	7	19	36	8	219	248
TOTAL NO. OF BIRTHS.	46	42	13	15	11	22	30	23	34	66	32	334	316

a 1 English Cholera, and 3 Inquests. *b* Typhus. *c* 1 Inquest. *d* 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,815.

5 Weeks ending 29th Feb.	4 Weeks ending 28th March.	4 Weeks ending 25th April.	TOTAL.	DISEASES.	5 Weeks ending 29th Feb.	4 Weeks ending 28th March	4 Weeks ending 25th April.	TOTAL
5	6	2	13	Small-pox	3	..	..	3
77	64	85	226	Measles	22	24	38	84
36	22	38	96	Scarlet Fever	121	74	88	283
6	2	1	9	Diphtheria	2	1	1	4
92	61	73	226	Whooping-cough	151	74	79	304
2	1	1	4	Croup	3	7	4	14
196	220	260	676	Diarrhœa	191	146	161	498
2	5	2	9	Dysentery	16	14	14	44
..	..	..	..	Malignant Cholera	..	..	..	..
19	12	21	52	Erysipelas	37	24	23	84
9	5	7	21	Continued Fever	113	73	92	278
1	..	1	2	Typhus	139	107	95	341
6	1	4	11	Enteric or Typhoid	21	19	27	67
44	42	52	138	Febricula	179	134	152	465
..	..	..	..	Ague	1	1	..	2
83	72	70	225	Rheumatic Fever	233	120	65	418
..	..	..	..	Puerperal Fever	2	5	4	11
1055	824	818	2697	Bronchitis and Catarrh	1280	831	929	3040
2	8	4	14	Influenza	28	30	55	113
39	44	35	118	Pleurisy and Pneumonia	128	64	78	270
116	113	96	325	Phthisis	376	277	297	950
19	54	40	113	Constitutional Syphilis	248	197	190	635
3001	3561	3808	10370	Accidents, and all other Diseases	4812	3826	3770	12408
4810	5117	5418	15345	TOTAL	8106	6048	6162	20316

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL

	Inches.	Wet Days.
Wilmslow	1,955	16
Old Trafford	1·676	16
Royton	1·640	13
Salford	1·606	16
Penketh	1·591	16
Eccles	1·472	16

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·900	29·910	29·918	29·910		29·898	29·903
Highest (Unreduced)	30·143	30·161	30·170	30·161		29·703	30·252
Lowest (Unreduced)	29·453	29·449	29·475	29·449		28·982	29·538
Range	0·690	0·712	0·695	0·712		0·721	0·714
Temperature.							
Adopted Mean	58·2	56·7	59·1	56·3		55·1	58·7
Range for Week	24·6	29·1	37·0	33·5		38·4	39·1
Daily Range	14·0	17·2	22·8	20·3		22·7	25·4
Maximum in Shade	75·0	75·2	80·0	75·2		75·6	81·1
Minimum in Shade	50·4	46·1	43·0	41·7		37·2	42·0
Temperature of Dew Point	48·7	48·3	48·9	46·8		47·5	49·2
Hygrometrical condition of the Atmosphere.	GRS	GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·696	0·733	0·691	0·705		0·758	0·710
Prevailing Winds	....	SW	S	W,SW		SW	S,SW
Rain	....	0·313	0·274	0·337		0·310	0·206
Ozonometer.							
Moffat	....	0·28	6·43	5·57		....	....
Schonbein	....	....	1·43	....		5·18	7·10

NO RETURN.

May 30, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, JUNE 6, 1868. No. 410

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 6th instant, 1268 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding two weeks the numbers were 1482 and 1413 respectively. The deaths among these patients during the week amounted to 55, being in the proportion of 1 death to every 23 cases.

The present return is very favorable. There is a decrease in all the principal diseases.

Continued Fever is diminishing. The number of cases has fallen from 84 to 63,—20 of these were assigned to Typhus and 2 to Typhoid Fever. Fourteen cases of the severer forms of Fever occurred in Manchester, 15 in Salford, but not a single case in Hulme.

There is a considerable improvement under Measles, the number of cases has fallen from 18 to 11.

Scarlatina appears to be declining. In the preceding week there were 35 cases, in the present return there are 27. The decrease has chiefly taken place in Manchester.

Bronchitis and other acute chest diseases are becoming less frequent, last week 194 cases were reported, in the present return there are 158.

Thirty-three cases of Diarrhœa and Dysentery are returned—being 2 less than in the previous week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 213 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Sixty-nine deaths were caused by Diseases of the Lungs, 25 by Scarlatina, 14 by Fever, and 9 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 58·6°; at the Salford Observatory it was 56·0°; at Eccles 56·4°; and at Old Trafford 57·6°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	1 St. Peter's	2 St. Andrew's	3 St. George's	4 Cathedral	5 St. Jude's	6 St. Michael's	Total of Districts.	7 Workhouse.	8 In-patients.	9 Out-patients.	10 District I.	11 District II.	12 District III.	13 St. Mary's Hospital.	14 Clinical Hospital.	1 City Gaol.
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Measles	..	1	..	..	..	1	2	..	..	..	..	2	..	1	..	.
Scarlet Fever	..	3	..	..	..	..	3	..	..	..	..	..	..	1	2	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	..	1	..	..	..	1	2	2	..	..	..	..	..	9	4	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	
Continued Fever	*a*2	1	1	..	1	..	5	..	..	..	..	..	..	2	..	
Typhus	..	..	..	*a*1	..	2	3	6	1	..	2	..	..	..	..	
Enteric or Typhoid	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Febricula	..	.	..	..	..	1	1	3	..	..	..	..	..	5	2	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatic Fever	..	..	..	..	1	..	1	1	3	..	..	..	..	..	..	
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	
Bronchitis and Catarrh	..	3	..	..	2	1	6	8	1	30	2	..	..	16	4	
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Pleurisy and Pneumonia	3	..	..	1	..	1	5	3	..	3	..	..	1	4	1	
Phthisis	1	..	1	..	..	..	2	4	..	18	..	..	1	3	..	
Constitutional Syphilis	..	1	..	..	..	..	1	8	..	9	..	..	..	1	1	
All other Diseases	13	4	6	5	..	6	34	70	18	94	3	6	7	30	57	
Accidents	2	..	..	1	4	2	9	9	20	160	..	1	..	..	..	
TOTAL	21	14	8	8	8	15	74	117	43	314	7	9	9	75	72	

a Removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT.
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
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(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
(13) Mr. H. RUNCO
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N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 6th day of June, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.....			.. 646...		508	.... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			..44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	...	..	2	Small-pox	..
..	..	..	3	..	..	1	1	..	..	..	..	1	11	22	Measles	1
..	2	1	6	..	2	1	..	1	4	..	2	2	27	9	Scarlet Fever.....	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	1	..	..	..	..	..	..	..	..	..	5	10	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
..	1	..	7	3	..	..	..	..	..	..	1	2	33	39	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	1	..	1	1	..	..	..	..	..	..	6	7	Erysipelas	..
..	..	6	4	..	..	..	..	..	2	a1	..	..	20		Continued Fever	..
1	..	..	3	..	..	..	..	..	..	..	..	4	20	52	Typhus	3
..	..	..	1	..	..	..	..	..	..	..	..	1	2		Enteric or Typhoid ..	..
..	1	..	4	..	1	..	..	..	2	..	..	..	21		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	..	3	..	..	2	..	1	..	..	..	..	11	54	Rheumatic Fever	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
3	3	..	27	3	2	3	4	1	5	..	4	6	133		Bronchitis & Catarrh	7
..	..	..	2	..	..	..	..	..	..	..	..	..	2	165	Influenza	..
..	..	..	1	..	..	..	1	..	4	..	..	..	23	13	Pleurisy & Pneumonia.	1
1	..	1	9	..	1	1	..	1	..	..	..	2	44	62	Phthisis	12
1	..	..	5	2	..	..	..	..	..	..	..	2	33	41	Constitutional Syphilis	1
8	12	16	47	5	3	6	10	10	15	5	6	77	543	916	All other diseases	25
.	..	..	87	..	..	1	2	1	23	..	18	3	334		Accidents	1
4	19	24	211	13	10	16	18	15	55	6	31	100	1268	1398	TOTAL	55

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. EDWIN S. JOTHAM,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions awn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	1	1	..	1	2	..	3	..	..	..	9	5
Whooping-cough	..	..	..	..	..	..	..	2	..	..	..	2	8
Scarlatina	2	3	..	..	3	3	4	2	3	4	1	25	8
Diarrhœa	..	..	1	1	..	..	1	..	..	..	..	3	8
Fever	1	..	*a*4	..	..	..	4	*c*2	2	..	1	14	10
Diseases of the Lungs	9	6	5	3	8	10	10	..	7	10	1	69	85
Other causes	11	3	15	*b*7	6	*b*7	12	*b*4	*b*6	13	7	91	96
TOTAL NO. OF DEATHS.	24	13	26	11	18	22	31	13	18	27	10	213	220
TOTAL NO. OF BIRTHS.	39	28	11	10	15	27	21	14	26	57	26	274	329

a 3 Typhus. *b* 1 Inquest. *c* 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th March.	4 Weeks ending 25th April.	5 Weeks ending 30th May.	TOTAL.	DISEASES.	4 Weeks ending 28th March	4 Weeks ending 25th April.	5 Weeks ending 30th May.	TOTAL
6	2	18	26	Small-pox	..	..	3	3
64	85	125	274	Measles	24	38	105	167
22	38	36	96	Scarlet Fever	74	88	143	305
2	1	1	4	Diphtheria	1	1	..	2
61	73	67	201	Whooping-cough	74	79	58	211
1	1	3	5	Croup	7	4	5	16
220	260	468	948	Diarrhœa	146	161	247	554
5	2	1	8	Dysentery	14	14	11	39
..	..	..	..	Malignant Cholera	..	..	..	..
12	21	24	57	Erysipelas	24	23	19	66
5	7	7	19	Continued Fever	73	92	90	255
..	1	1	2	Typhus	107	95	143	345
1	4	1	6	Enteric or Typhoid	19	27	31	77
42	52	54	148	Febricula	134	152	205	491
..	..	..	..	Ague	1	..	2	3
72	70	74	216	Rheumatic Fever	120	65	68	253
..	..	1	1	Puerperal Fever	5	4	3	12
824	818	802	2444	Bronchitis and Catarrh	831	929	935	2695
8	4	2	14	Influenza	30	55	20	105
44	35	48	127	Pleurisy and Pneumonia	64	78	89	231
113	96	114	323	Phthisis	277	297	357	931
54	40	40	134	Constitutional Syphilis	197	190	243	630
3561	3808	4947	12316	Accidents, and all other Diseases	3826	3770	4569	12165
5117	5418	6834	17369	TOTAL	6048	6162	7346	19556

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY.

	Inches.	Wet Days.
Penketh	1,323	13
Royton	1·190	9
Wilmslow	1·132	13
Old Trafford	0·872	9
Salford	0·768	14
Eccles	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorogl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warringto L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	30·052	30·061	30·052	29·053	30·049	29·049
Highest } Unreduced		30·115	30·126	30·115	30·010	29·660	30·202
Lowest } Unreduced		29·887	29·845	29·887	29·788	29·426	29·976
Range		0·228	0·281	0·228	0·222	0·234	0·226
Temperature.							
Adopted Mean		56·0	57·6	56·4	54·9	53·9	58·2
Range for Week		33·6	41·0	37·0	36·2	41·8	45·0
Daily Range		17·2	24·6	22·4	18·4	26·0	28·9
Maximum in Shade		76·0	80·0	74·8	71·4	74·3	81·2
Minimum in Shade		42·4	39·0	37·8	35·6	32·6	36·2
Temperature of Dew Point		46·3	49·2	46·5	45·6	45·3	46·4
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·700	0·732	0·695	0·706	0·728	0·651
Prevailing Winds			S,SW		S,SW	SW	NW
Rain		0·034	0·024	0·039	0·017	0·051	0·025
Ozonometer.							
Moffat		0·42	2·86	4·14	....	....	....
Schonbein		....	0·28	....	4·86	5·12	5·00

June 6, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, JUNE 13, 1868. No. 411

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 13th instant, 1447 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding week the number was 1268. The deaths among these patients during the week amounted to 60, being in the proportion of 1 death to every 24 cases.

The present return is unsatisfactory. In the preceding week there was an improvement in all the principal diseases; in the week under notice, on the contrary, there is an increase in the number of cases of Measles, Scarlatina, Fever, Diarrhœa, and acute Chest Affections.

The cases of Measles have risen from 11 to 18; 6 of these were treated at the Clinical Hospital, and 5 at the Salford Dispensary.

With regard to Scarlatina, the ground gained last week has been lost, the cases having risen from 27 to 36. Ardwick is the only Township whose public practice was free from this disease during the week.

The cases of Continued Fever have risen from 63 to 74,—23 of these were assigned to Typhus and 3 to Typhoid Fever. Six of the Typhus cases were treated at the Chorlton Union Workhouse, 7 at the Manchester Workhouse, 1 as an in-patient and 4 as home-patients of the Royal Infirmary.

Whooping-Cough is not so prevalent as it has been,—5 cases only have been returned for the two last weeks respectively. Three out of the 5 in the present return occurred in Salford.

Diarrhœa and Dysentery have increased in prevalency since the last return, the cases having risen from 33 to 64. In the corresponding week of last year the number was 30.

Bronchitis and other acute Chest Affections have risen from 158 to 172.

The mean temperature of the week, as observed at Salford, was 0·50° and at Eccles 2·0° lower than in the week preceding.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 233 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Twenty-two deaths were caused by Diseases of the Lungs, 22 by Scarlatina, 8 by Fever, 7 by Measles, and 5 by Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 60·3°; at the Salford Observatory it was 55·5°; and at Eccles 54·1°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment Duri

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	1	1	..	..	..	..	1	1	..	6	..
Scarlet Fever	..	4	..	..	..	..	4	..	2	..	..	..	3	1	2	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	4	2	..	2	..	8	5	..	10	..	..	..	5	9	3
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	1	..	2	..	..	1	..	..	1
Continued Fever	*a*1	.	2	..	*a*1	..	4	1	..	..	..	..	..	5	..	..
Typhus	..	..	..	..	..	1	1	7	1	..	1	..	3	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Febricula	1	1	..	..	..	..	2	2	..	..	1	..	..	6	1	2
Ague	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Rheumatic Fever	1	..	..	..	1	..	2	2	..	..	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	4	3	1	..	1	3	12	8	..	26	1	2	1	4	3	3
Influenza	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2
Pleurisy and Pneumonia	1	..	..	1	1	..	3	4	..	2	..	..	1	..	1	..
Phthisis	..	..	..	2	..	1	3	6	..	21	1	2	4	3	2	1
Constitutional Syphilis	..	..	..	..	..	1	1	13	..	16	..	..	2	2	2	3
All other Diseases	16	8	10	10	6	13	63	99	21	69	3	3	15	87	37	2
Accidents	4	1	2	..	1	1	9	13	15	108	1	..	2	..	1	..
TOTAL	29	21	17	13	13	21	114	162	40	255	8	8	33	113	65	17

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) „ C. J. CULLINGWORTH.
(9), (10), (11), (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
(13) Mr. H. RUNCORI
(14) „ J FINLAYSON
(15) „ J OGDEN FL
(16) „ J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 13th day of June, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.....			.. 646...		508	..... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			..44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
Strangate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's									
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	...	..	3	Small-pox	..
..	..	..	5	..	1	..	2	..	..	..	..	1	18	23	Measles	1
.	2	..	10	..	6	..	1	2	3	..	..	..	36	4	Scarlet Fever.....	2
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
2	..	1	..	..	..	..	..	..	..	..	..	..	5	7	Whooping-cough	1
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
2	1	..	7	3	3	..	1	1	..	..	2	2	62	29	Diarrhœa	..
1	..	..	..	..	..	..	..	1	..	..	..	..	2	1	Dysentery	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
.	..	..	..	..	1	..	..	..	..	..	1	..	7	6	Erysipelas	1
1	..	2	2	..	..	2	..	..	2	a1	..	..	20		Continued Fever	..
.	1	..	1	..	..	..	..	a1	..	a1	..	6	23	30	Typhus	4
.	..	..	1	..	..	..	..	1	..	..	..	..	3		Enteric or Typhoid ..	1
1	..	..	2	..	1	..	3	3	..	..	4	..	28		Febricula	..
.	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Ague	..
.	..	..	2	..	1	2	..	..	..	..	..	..	9	57	Rheumatic Fever	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
5	2	..	35	4	3	5	6	..	4	..	5	16	145	131	Bronchitis & Catarrh	1
	..	..	3	..	..	..	..	..	..	..	..	..	6		Influenza	..
	1	..	2	..	..	..	..	..	3	..	..	4	21	9	Pleurisy & Pneumonia.	4
	1	1	12	..	..	2	..	..	1	..	2	..	62	60	Phthisis	13
	..	..	3	3	..	1	..	3	1	..	..	9	59	34	Constitutional Syphilis	1
	24	21	77	5	5	6	11	13	23	5	10	93	706	847	All other diseases	26
	..	..	45	..	..	4	..	..	9	..	26	1	234		Accidents	5
	32	25	207	15	21	22	24	25	46	7	50	132	1447	1241	TOTAL	60

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	3	..	..	..	..	..	..	1	3	..	7	5
Whooping-cough	..	1	..	..	2	1	..	1	..	..	..	5	10
Scarlatina	2	3	..	2	..	3	2	2	2	6	..	22	5
Diarrhœa	2	1	..	..	..	3	..	..	..	1	..	7	10
Fever	..	..	*b*3	1	..	*b*1	1	..	..	1	1	8	11
Diseases of the Lungs	11	8	11	5	2	10	6	4	7	4	4	72	67
Other causes	17	*a*13	18	*a*5	8	7	8	*a*9	4	16	7	112	115
TOTAL NO. OF DEATHS.	32	29	32	13	12	25	17	16	14	31	12	233	223
TOTAL NO. OF BIRTHS.	63	51	29	26	30	31	35	38	39	68	26	436	269

a 1 Inquest. *b* Typhus.

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8	4	2	14	Influenza	30	55	20	105
44	35	48	127	Pleurisy and Pneumonia	64	78	89	231
113	96	114	323	Phthisis	277	297	357	931
54	40	40	134	Constitutional Syphilis	197	190	243	630
3561	3808	4947	12316	Accidents, and all other Diseases	3826	3770	4569	12165
5117	5418	6834	17369	TOTAL	6048	6162	7346	19556

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY.	Inches.	Wet Days.
Penketh	1,323	13
Royton	1·190	9
Wilmslow	1·132	13
Old Trafford	0·872	9
Salford	0·768	14
Eccles	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warringto L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·200	30·208	NO RETURN.	30·208	30·211	30·191	30·210
Highest } Unreduced	30·168	30·197		30·197	30·102	29 734	30·292
Lowest } Unreduced	30·058	30·007		30·007	29·974	29·618	30·166
Range	0·110	0·190		0·190	0·128	0·116	0·126
Temperature.							
Adopted Mean	52·0	55·5		54·1	53·8	54·5	56·8
Range for Week	12·7	27·1		31·3	34·0	36·6	38·7
Daily Range	6·8	15·7		19·7	18·7	24·8	24·2
Maximum in Shade	60·7	73·1		74·5	74·7	75·4	79·6
Minimum in Shade	48·0	46·0		43·2	40·7	38·8	40·9
Temperature of Dew Point	48·8	46·4		44·3	44·0	48·4	46·0
Hygrometrical condition of the Atmosphere.	GRS.	GRS.		GRS.	GRS	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·889	0·715		0·690	0·694	0·790	0·673
Prevailing Winds		WNW		WNW	S, SW	NW	NW
Rain	....	0·050		·053	0·053	0·060	0·042
Ozonometer.							
Moffat	....	0·14		03·57	....	....	....
Schonbein	....	....		....	5·43	4·20	7·10

June 13, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, JUNE 20, 1868. No. 412

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 20th instant, 1603 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding week the number was 1447. The deaths among these patients during the week amounted to 51, being in the proportion of 1 death to every 31 cases.

The weekly returns continue unfavourable.

Continued Fever has greatly increased, the number of cases has risen from 74 to 98, 28 of these were assigned to Typhus, 2 to Typhoid Fever, and 40 to the milder forms of Fever.

There is a slight improvement under Scarlatina, 30 cases having been returned instead of 36. Three of the cases occurred in Chorlton, 7 in Hulme, 9 in Salford, and 11 in Manchester.

Measles has increased a little in prevalency, last week 18 cases were returned, in the present week they have risen to 21. One case occurred in Chorlton, 6 in Hulme, 4 in Salford, and 10 in Manchester.

Whooping-Cough remains much the same, 6 cases being returned against 5 in the two previous weeks respectively.

Diarrhœa and Dysentery are but slightly more prevalent than in the preceding week, the number of cases has risen from 64 to 67, in the corresponding week of last year the number was 63.

There is a marked decrease in Bronchitis and allied chest affections,—the cases have fallen from 172 to 154; 213 cases of these diseases were returned in the corresponding week of last year.

Small-Pox again appears in the weekly return, 2 cases are reported, 1 was treated at the Salford Dispensary, the other at the Manchester Infirmary.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 260 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Sixty-one deaths were caused by Diseases of the Lungs, 25 by Scarlatina, 15 by Measles, 12 by Diarrhœa, and 12 by Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 65·4°; at the Salford Observatory it was 60·5°; and at Eccles 60·4°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Di

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts. St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Public Institutions. Workhouse. 7	Royal Infirmary. In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	Children St. Mary's Hospital. 13	Clinical Hospital. 14	1
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	
Measles	..	..	..	1	..	1	2	..	..	1	..	..	..	2	5	
Scarlet Fever	1	2	1	..	..	..	4	..	1	..	..	3	2	1	..	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	..	2	1	..	2	1	6	3	..	..	..	..	..	12	10	
Dysentery	1	..	..	..	..	..	1	..	..	5	..	..	..	..	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	
Continued Fever	2	.	2	..	..	..	4	..	..	..	..	..	..	3	..	
Typhus	..	1	..	..	1	3	5	11	2	..	..	..	1	..	..	
Enteric or Typhoid	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Febricula	1	.	..	..	..	..	1	4	..	4	..	1	..	13	2	
Ague	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	
Rheumatic Fever	..	..	..	..	1	..	1	2	..	..	..	..	1	..	..	
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	
Bronchitis and Catarrh	1	5	1	..	1	2	10	10	..	35	..	3	1	4	1	
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Pleurisy and Pneumonia	..	1	..	..	2	..	3	1	..	..	..	..	1	..	..	
Phthisis	..	1	..	..	..	..	1	8	1	19	4	2	5	2	3	
Constitutional Syphilis	..	..	..	..	..	..	..	11	1	10	..	..	1	..	3	
All other Diseases	25	8	9	4	8	6	60	57	24	208	5	3	12	76	53	
Accidents	2	..	..	1	..	1	4	13	24	100	..	2	1	..	..	
TOTAL	33	20	14	6	15	14	102	121	53	387	9	14	26	113	77	1

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ . BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. . WESTMORELAND,
(8) „ C. . CULLINGWORTH.
(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. . TRUEMAN
(13) Mr. H. RUNCOR
(14) „ FI NLAYSON
(15) „ OG DEN FL
(16) „ . TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 20th day of June, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.....			.. 646. ..		508	..... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										DISEASES.	DEATHS.
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	New Bailey 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.		
..	..	..	1	..	..	..	..	..	..	..	..	...	2	1	Small-pox	..
..	..	..	4	..	..	2	4	..	..	..	..	1	21	13	Measles	1
..	1	1	7	..	3	3	1	..	3	..	..	..	30	5	Scarlet Fever.	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	2	..	..	..	..	..	..	..	..	..	6	11	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
..	2	1	6	5	4	..	3	..	2	..	..	2	60	59	Diarrhœa	..
..	1	..	..	..	..	..	..	..	..	..	..	..	7	4	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
1	..	..	..	..	..	..	..	..	..	..	1	..	3	6	Erysipelas	..
a3	..	9	4	..	a1	2	..	..	2	..	..	..	28		Continued Fever	..
..	2	..	2	..	..	..	..	..	..	..	..	5	28	48	Typhus	5
..	..	..	2	..	..	..	..	..	..	..	..	..	2		Enteric or Typhoid ..	2
..	2	..	3	..	2	..	2	1	1	..	3	..	40		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Ague	..
..	..	1	4	..	..	2	..	..	..	..	..	..	11	69	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
5	1	1	33	3	1	4	6	..	5	..	4	10	140	194	Bronchitis & Catarrh	6
..	..	..	..	..	..	..	..	..	..	..	..	..	2		Influenza	..
..	..	..	4	..	1	..	..	..	..	1	1	..	12	19	Pleurisy & Pneumonia.	1
..	..	..	13	..	3	..	..	..	3	2	..	3	70	82	Phthisis	8
..	..	..	3	1	..	..	..	1	1	..	..	8	42	47	Constitutional Syphilis	..
2	14	21	77	4	10	1	15	21	21	7	10	124	839	956	All other diseases	22
.	1	..	71	..	..	..	..	1	15	..	25	2	259		Accidents	3
1	24	34	236	13	25	14	31	24	53	10	44	155	1603	1514	TOTAL	51

indebted for the annexed Returns.

(17) Dr. T. M. OHNSON,
(18)
(19) ,, . O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, OSEPH FOSTER,

(25) Mr. EDWIN S. OTHAM,
(26) ,, .V.L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions awn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	3	2	..	..	..	3	1	2	1	3	..	15	5
Whooping-cough	1	..	..	..	1	..	..	2	1	1	..	6	13
Scarlatina	3	3	..	1	6	..	4	..	3	4	1	25	6
Diarrhœa	5	2	..	1	..	1	..	..	..	2	1	12	12
Fever	..	..	5	1	*b*1	..	*b*2	..	..	2	1	12	8
Diseases of the Lungs	11	7	7	1	3	9	5	3	3	9	3	61	73
Other causes	17	*a*13	15	5	18	4	*c*15	6	*d*9	19	8	129	115
TOTAL NO. OF DEATHS.	40	27	27	9	29	17	27	13	17	40	14	260	232
TOTAL NO. OF BIRTHS.	53	51	8	14	29	52	24	24	33	86	23	397	416

a 3 Inquests. *b* 1 Typhus. *c* 6 Inquests. *d* 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,315.

4 Weeks ending 28th March.	4 Weeks ending 25th April.	5 Weeks ending 30th May.	TOTAL.	DISEASES.	4 Weeks ending 28th March	4 Weeks ending 25th April.	5 Weeks ending 30th May.	TOTAL
6	2	18	26	Small-pox	..	..	3	3
64	85	125	274	Measles	24	38	105	167
22	38	36	96	Scarlet Fever	74	88	143	305
2	1	1	4	Diphtheria	1	1	..	2
61	73	67	201	Whooping-cough	74	79	58	211
1	1	3	5	Croup	7	4	5	16
220	260	468	948	Diarrhœa	146	161	247	554
5	2	1	8	Dysentery	14	14	11	39
..	..	..	..	Malignant Cholera	..	..	..	..
12	21	24	57	Erysipelas	24	23	19	66
5	7	7	19	Continued Fever	73	92	90	255
..	1	1	2	Typhus	107	95	143	345
1	4	1	6	Enteric or Typhoid	19	27	31	77
42	52	54	148	Febricula	134	152	205	491
..	..	..	..	Ague	1	..	2	3
72	70	74	216	Rheumatic Fever	120	65	68	253
..	..	1	1	Puerperal Fever	5	4	3	12
824	818	802	2444	Bronchitis and Catarrh	831	929	935	2695
8	4	2	14	Influenza	30	55	20	105
44	35	48	127	Pleurisy and Pneumonia	64	78	89	231
113	96	114	323	Phthisis	277	297	357	931
54	40	40	134	Constitutional Syphilis	197	190	243	630
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5117	5418	6834	17369	TOTAL	6048	6162	7346	19556

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FALL OF RAIN IN MAY.

	Inches.	Wet Days.
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Wilmslow	1·132	13
Old Trafford	0·872	9
Salford	0·768	14
Eccles	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorogl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warringto L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	23 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32 ° F., and reduced to sea level	30·266	30·193	NO RETURN.	30·193	30 191	30·198	NO RETURN.
Highest (Unreduced)	30·322	30·251		30·251	30·160	29 800	
Lowest (Unreduced)	30·024	29·957		29·957	29·858	29·512	
Range	0·298	0·294		0·294	0·302	0·288	
Temperature.							
Adopted Mean	57·8	60·5		60·4	59·6	59·4	
Range for Week	13·2	35·9		42·1	40·5	42·5	
Daily Range	9·2	23·8		28·3	23·3	29·5	
Maximum in Shade	64·0	84·1		85·7	81·8	84·5	
Minimum in Shade	50·8	48·2		43·6	41·3	42·0	
Temperature of Dew Point	54·7	50·2		47·8	47·9	49·4	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.		GRS.	GRS	GRS.	
Degree of Humidity (Saturation—1,000)	0·892	0·735		0·632	0·653	0·704	
Prevailing Winds		W, E		W	E, SE	SE	
Rain	....	·000		0·008	0·000	0·015	
Ozonometer.							
Moffat	....	0·14		2·43	....	....	
Schonbein	....	....		....	5·14	3·18	

June 20, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, JUNE 27, 1868. No. 413

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 27th day of June, 1686 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1505. The deaths among these patients during the week amounted to 64, being in the proportion of 1 death to every 26 cases.

The present return is unfavourable.

Scarlatina is very prevalent, the cases have risen from 30 to 50. The weekly return of cases of this disease has been high from the commencement of the year. During the first four months the monthly number of cases has been much the same. From the beginning of May this disease has been on the increase, and in the week under notice it has reached its highest point for this year.

Continued Fever has also increased in frequency since the last return, the number of cases having risen from 98 to 118; 28 of these were assigned to Typhus and 2 to Typhoid Fever; 10 of the former were treated at the Manchester Workhouse and 8 at the Chorlton Union Workhouse.

Measles remains much the same as in the previous return, 19 cases being reported instead of 21.

Diarrhœa and Dysentery have prevailed to a great extent during the last week, 124 cases being returned. In the corresponding week of last year the number was 66.

Bronchitis and other acute chest diseases have risen from 154 to 171; the latter number being 1 less than that for the week ending on June 13th.

One case of modified Small-Pox occurred during the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 221 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Sixty-two deaths were caused by Diseases of the Lungs, 13 by Scarlatina, 13 by Diarrhœa, 10 by Fever, and 4 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 63·6°; at the Salford Observatory it was 59·9°; at Eccles 59·0°; and at Old Trafford 61·1°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox	..	..	..	b1	..	..	1	..	..	..	..	..	..	..	..	
Measles	3	..	..	..	..	5	8	..	..	..	..	..	..	4	1	
Scarlet Fever	1	3	..	..	..	..	4	..	2	1	3	1	5	1	2	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	3	2	..	3	2	4	14	10	1	11	2	3	1	30	12	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	2	..	..	..	..	..	2	2	..	2	..	..	..	..	..	
Continued Fever	a5	.	..	..	a1	..	6	..	..	..	..	..	..	2	..	
Typhus	..	..	..	..	a1	..	1	10	4	..	..	..	..	..	..	
Enteric or Typhoid	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	
Febricula	..	..	2	..	2	7	11	5	..	3	1	1	..	12	1	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatic Fever	1	..	..	1	2	..	4	2	1	..	..	..	..	..	..	
Puerperal Fever	..	..	..	..	..	..	..	..	....	..	..	..	..	..	..	
Bronchitis and Catarrh	4	..	4	3	3	3	17	12	..	20	1	1	1	2	4	
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Pleurisy and Pneumonia	1	..	..	2	..	..	3	7	1	..	..	2	..	..	1	
Phthisis	..	..	..	..	..	2	2	8	1	15	1	3	3	3	1	2
Constitutional Syphilis	..	..	..	..	..	..	..	10	..	16	..	..	..	..	1	
All other Diseases	17	5	5	5	5	21	58	64	19	160	12	7	8	69	63	16
Accidents	1	1	..	1	..	1	4	13	21	114	..	3	2	..	..	1
TOTAL	38	11	11	16	16	43	135	144	52	342	20	21	20	126	87	2

a Removed to Workhouse. *b* Modified. *c* 3 Cases removed to Withington.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ . BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. . WESTMORELAND,
(8) „ C. . CULLINGWORTH.
(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. . TRUEMAN
(13) Mr. H. RUNCOR
(14) „ FINLAYSO
(15) „ OGDEN FI
(16) „ . TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 27th day of June, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
..... 1,329					.... 477.....			.. 646...		508.	.... 2650.....				Area in Statute Acres.
..... 70,967.					.. 68,209. ..			..44,850..		21739	.....24,448.....				Population in 1861.
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	Salford County Gaol. 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
..	..	..	..	..	..	..	..	..	..	..	..	...	1	1	Small-pox	..
..	..	..	3	..	..	..	1	..	1	..	..	1	19	17	Measles	1
a1	4	..	5	..	4	..	2	4	c9	..	2	..	50	7	Scarlet Fever.....	4
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	4	..	..	..	..	..	..	..	..	..	..	8	18	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
2	3	1	6	2	2	4	5	1	2	..	2	4	121	61	Diarrhœa	2
1	..	..	1	..	..	..	1	..	..	..	..	..	3	5	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	6	4	Erysipelas	..
a3	..	5	4	..	a2	2	..	..	..	..	..	..	24		Continued Fever	..
..	2	..	2	..	..	..	1	..	..	..	..	8	28	39	Typhus	3
..	1	..	1	..	..	..	..	..	..	..	..	..	5		Enteric or Typhoid ..	1
..	2	..	5	..	..	..	1	2	3	4	4	4	61		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
1	..	1	..	1	1	3	..	..	..	..	..	..	14	65	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
6	1	1	29	3	5	6	4	1	4	1	3	19	144	182	Bronchitis & Catarrh	4
..	..	..	..	..	..	..	..	..	..	..	..	..	4		Influenza	..
..	2	..	3	1	2	..	..	..	1	..	..	..	23	16	Pleurisy & Pneumonia.	6
2	3	..	9	..	3	..	..	1	3	..	1	8	68	82	Phthisis	11
..	..	..	7	..	..	..	..	..	2	..	2	5	46	49	Constitutional Syphilis	2
16	38	17	47	5	6	6	7	15	25	10	14	116	786	958	All other diseases	25
1	2	..	71	..	4	2	..	..	9	..	28	1	275		Accidents	5
33	58	29	193	12	29	23	22	24	59	15	56	166	1686	1505	TOTAL	64

is indebted for the annexed Returns.

(17) Dr. T. M. OHNSON,
(18)
(19) ,, . O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, OSEPH FOSTER,

(25) Mr. EDWIN S. OTHAM,
(26) ,, .V.L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

n the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	1	1	..	..	..	..	2	..	..	..	4	5
Whooping-cough	..	..	..	..	..	..	..	..	..	2	..	2	8
Scarlatina	1	3	1	1	2	2	..	..	2	1	..	13	3
Diarrhœa	3	..	1	..	3	3	..	..	1	2	..	13	9
Fever	1	..	3	1	..	..	*c*4	..	*d*1	..	..	10	14
Diseases of the Lungs	3	7	10	1	9	6	7	1	6	8	4	62	61
Other causes	14	11	14	*a*6	13	*b*5	8	10	11	21	4	117	121
TOTAL NO. OF DEATHS.	22	22	30	9	27	16	19	13	21	34	8	221	221
TOTAL NO. OF BIRTHS.	43	36	21	15	23	45	47	27	28	96	22	403	371

a 1 Inquest. *b* 3 Inquests. *c* 1 Typhus and 1 Typhoid. *d* Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th March.	4 Weeks ending 25th April.	5 Weeks ending 30th May.	TOTAL.	DISEASES.	4 Weeks ending 28th March	4 Weeks ending 25th April.	5 Weeks ending 30th May.	TOTAL
6	2	18	26	Small-pox	..	..	3	3
64	85	125	274	Measles	24	38	105	167
22	38	36	96	Scarlet Fever	74	88	143	305
2	1	1	4	Diphtheria	1	1	..	2
61	73	67	201	Whooping-cough	74	79	58	211
1	1	3	5	Croup	7	4	5	16
220	260	468	948	Diarrhœa	146	161	247	554
5	2	1	8	Dysentery	14	14	11	39
..	..	..	..	Malignant Cholera	..	..	..	..
12	21	24	57	Erysipelas	24	23	19	66
5	7	7	19	Continued Fever	73	92	90	255
..	1	1	2	Typhus	107	95	143	345
1	4	1	6	Enteric or Typhoid	19	27	31	77
42	52	54	148	Febricula	134	152	205	491
..	..	..	..	Ague	1	..	2	3
72	70	74	216	Rheumatic Fever	120	65	68	253
..	..	1	1	Puerperal Fever	5	4	3	12
824	818	802	2444	Bronchitis and Catarrh	831	929	935	2695
8	4	2	14	Influenza	30	55	20	105
44	35	48	127	Pleurisy and Pneumonia	64	78	89	231
113	96	114	323	Phthisis	277	297	357	931
54	40	40	134	Constitutional Syphilis	197	190	243	630
3561	3808	4947	12316	Accidents, and all other Diseases	3826	3770	4569	12165
5117	5418	6834	17369	TOTAL	6048	6162	7346	19556

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY.

	Inches.	Wet Days.
Penketh	1,323	13
Royton	1·190	9
Wilmslow	1·132	13
Old Trafford	0·872	9
Salford	0·768	14
Eccles	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warringto L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	23 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·018	29·999	30 004	29·999	30 000	30·007	
Highest (Unreduced)	30·198	30·307	30·506	30·307	30·204	29 838	
Lowest (Unreduced)	29·624	29·625	29·627	29·625	29·520	29·134	
Range	0·574	0·682	0·679	0·682	0·684	0·704	
Temperature.							
Adopted Mean	57·4	59·9	61·1	59·0	58·5	58·6	
Range for Week	17·4	32·3	40·3	37·3	32·0	37·0	
Daily Range	8·0	17·3	23·7	21·3	18·0	20·8	
Maximum in Shade	66·9	81·3	85·3	81·5	78·4	82·0	
Minimum in Shade	49·5	49·0	45·0	44·2	46·4	45·0	
Temperature of Dew Point	54·3	51·0	50·4	48·0	48·5	48·4	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS	GRS.	
Degree of Humidity (Saturation—1,000)	0·894	0·727	0·686	0·670	0·692	0·691	NO RETURN.
Prevailing Winds		W,S	S,SW	S,W	S,SW	SW	
Rain	....	0·092	0·252	0·570	0·324	0·440	
Ozonometer.							
Moffat	....	0·14	3·14	5·28	....	....	
Schonbein	....	....	0·57	....	6·14	4·27	

June 27, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, JULY 4, 1868. No. 414

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 4th day of July, 1672 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1482. The deaths among these patients during the week amounted to 61, being in the proportion of 1 death to every 27 cases.

The returns continue unfavourable.

Scarlatina appears to be increasing in prevalency. Fifty-two cases of this disease are returned for the present week, being 2 more than in the last return; 26 of these occurred in Manchester, 7 in Salford, 5 in Hulme, and 12 in Chorlton, but none in Ardwick.

There is this week a considerable increase in the cases of Measles. In the last return there were 19 cases, in the present one they have risen to 31. Ardwick is the only district whose public practice was free from this disease during the week.

It is satisfactory to find a decrease under Continued Fever, though the cases are still very numerous the number of cases has fallen from 118 to 95; 21 of these were assigned to Typhus and 6 to Typhoid Fever.

Diarrhœa and Dysentery are very prevalent; 145 cases were observed during the week. One-sixth of the deaths that occurred in the public practice of Manchester and Salford were from these diseases. In the corresponding week of last year the number of cases of Diarrhœa and Dysentery was 92.

There is an improvement in acute chest diseases, the number of cases has fallen from 171 to 128.

Whooping-Cough is not at all common, only 3 cases were observed during the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Fifty-four deaths were caused by Diarrhœa, 51 by Diseases of the Lungs, 21 by Scarlatina, 12 by Measles, and 9 by Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 61·6°; at the Salford Observatory it was 61·8°; at Eccles 60·6°; and at Old Trafford 62·3°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	1
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	
Measles	..	..	2	..	..	4	6	4	..	..	..	1	..	2	1	
Scarlet Fever	*a*6	..	..	..	..	1	7	3	..	..	..	1	10	2	5	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	3	2	..	2	1	6	14	22	..	6	1	..	1	15	25	
Dysentery	2	..	1	..	..	..	3	..	..	..	..	..	..	1	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Continued Fever	*b*2	*b*1	1	1	..	..	5	..	..	..	..	1	..	2	..	
Typhus	..	..	..	..	..	..	..	6	..	..	..	..	4	1	..	
Enteric or Typhoid	..	..	..	..	..	..	..	3	..	..	..	..	..	..	1	
Febricula	..	.	1	..	..	..	1	..	..	3	1	2	..	7	3	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatic Fever	1	..	..	1	1	..	3	3	2	..	..	..	..	..	1	
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	
Bronchitis and Catarrh	2	..	1	2	..	2	7	10	..	15	..	4	1	2	4	
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Pleurisy and Pneumonia	..	1	..	..	1	..	2	2	..	1	..	1	..	..	..	
Phthisis	1	..	..	..	1	1	3	8	..	30	..	2	8	4	1	
Constitutional Syphilis	..	..	..	..	..	..	..	10	2	18	..	1	..	1	2	
All other Diseases	16	8	16	9	2	16	67	69	13	178	7	7	4	71	54	
Accidents	1	3	..	.	..	2	6	14	28	131	..	..	3	..	..	
TOTAL	34	15	22	15	6	32	124	154	45	382	9	20	32	110	98	2

a 2 Removed to Workhouse. *b* Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) „ C. J. CULLINGWORTH.
(9), (10), (11), (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
(13) Mr. H. RUNCORI
(14) „ J. FINLAYSO
(15) „ J. OGDEN FLI
(16) „ J. TEALE,

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SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 4th day of July, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.			.. 646. ..		508	..... 2650.....				Area in Statute Acres.	
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POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	Salford County Gaol. 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
..	..	..	..	..	..	..	..	..	..	..	..	...	1	..	Small-pox	..
3	..	..	3	..	..	..	3	1	6	..	..	1	31	12	Measles	..
..	..	..	7	..	2	..	3	5	3	..	..	4	52	6	Scarlet Fever.	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	.	..	..	..	..	..	..	3	14	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
10	2	..	12	4	4	3	2	4	2	..	3	5	139	89	Diarrhœa	10
..	1	..	..	..	..	..	..	..	..	..	..	1	6	3	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	Erysipelas	..
65	..	10	2	..	..	..	..	..	3	..	..	1	29		Continued Fever	..
..	5	..	..	..	..	..	..	1	..	..	..	4	21	37	Typhus	2
..	..	..	2	..	..	..	..	..	..	..	..	..	6		Enteric or Typhoid ..	..
..	4	..	4	..	1	1	..	1	2	1	5	..	39		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	..	2	..	..	3	..	..	..	1	..	..	15	63	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
4	3	..	23	1	1	5	3	2	1	3	4	15	112	169	Bronchitis & Catarrh	3
..	..	..	2	..	..	..	..	..	..	..	..	..	5		Influenza	..
..	1	..	1	..	1	..	..	..	1	..	1	..	11	16	Pleurisy & Pneumonia.	2
..	2	..	7	..	1	1	..	2	2	..	2	3	77	69	Phthisis	8
.	..	..	3	1	..	..	..	..	..	..	..	8	49	45	Constitutional Syphilis	..
9	18	1	93	3	7	6	11	21	31	5	10	90	789	953	All other diseases	30
1	..	..	61	..	1	..	..	1	12	..	27	2	287		Accidents	4
2	36	11	222	9	18	19	22	38	63	10	52	134	1672	1482	TOTAL	61

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	3	2	..	..	1	..	1	2	1	2	..	12	9
Whooping-cough	..	..	..	..	..	..	2	1	..	..	..	3	9
Scarlatina	2	3	1	1	3	1	2	1	3	4	..	21	7
Diarrhœa	12	4	4	6	5	4	6	1	1	8	3	54	21
Fever	2	..	4	..	..	..	*a*2	..	..	1	..	9	7
Diseases of the Lungs	7	6	6	2	4	5	1	1	5	11	3	51	66
Other causes	15	13	22	6	13	10	*b*16	*b*5	8	19	*b*5	132	109
TOTAL NO. OF DEATHS.	41	28	37	15	26	20	30	11	18	45	11	282	228
TOTAL NO. OF BIRTHS.	48	49	13	19	25	27	41	18	33	65	29	367	300

a Typhus. *b* 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,315.

4 Weeks ending 28th March.	4 Weeks ending 25th April.	5 Weeks ending 30th May.	TOTAL.	DISEASES.	4 Weeks ending 28th March	4 Weeks ending 25th April.	5 Weeks ending 30th May.	TOTAL
6	2	18	26	Small-pox	..	..	3	3
64	85	125	274	Measles	24	38	105	167
22	38	36	96	Scarlet Fever	74	88	143	305
2	1	1	4	Diphtheria	1	1	..	2
61	73	67	201	Whooping-cough	74	79	58	211
1	1	3	5	Croup	7	4	5	16
220	260	468	948	Diarrhœa	146	161	247	554
5	2	1	8	Dysentery	14	14	11	39
..	..	..	..	Malignant Cholera	..	..	..	..
12	21	24	57	Erysipelas	24	23	19	66
5	7	7	19	Continued Fever	73	92	90	255
..	1	1	2	Typhus	107	95	143	345
1	4	1	6	Enteric or Typhoid	19	27	31	77
42	52	54	148	Febricula	134	152	205	491
..	..	..	..	Ague	1	..	2	3
72	70	74	216	Rheumatic Fever	120	65	68	253
..	..	1	1	Puerperal Fever	5	4	3	12
824	818	802	2444	Bronchitis and Catarrh	831	929	935	2695
8	4	2	14	Influenza	30	55	20	105
44	35	48	127	Pleurisy and Pneumonia	64	78	89	231
113	96	114	323	Phthisis	277	297	357	931
54	40	40	134	Constitutional Syphilis	197	190	243	630
3561	3808	4947	12316	Accidents, and all other Diseases	3826	3770	4569	12165
5117	5418	6834	17369	TOTAL	6048	6162	7346	19556

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JUNE.	Inches.	Wet Days.
Eccles	0·670	8
Royton	0·576	8
Wilmslow	0·391	9
Old Trafford	0·368	8
Salford	0·176	12
Penketh	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warringto L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	23 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·250	30 250	30·251	30·250	30·257	30·239	
Highest (Unreduced)	30·364	30·545	30·353	30·345	30·250	29·884	
Lowest (Unreduced)	30·024	30·009	30·012	30·009	29·894	29·529	
Range	0·340	0·336	0·341	0·336	0·356	0·355	
Temperature.							
Adopted Mean	59·7	61·8	62·3	60·6	58·6	61·0	
Range for Week	16·4	27·3	33·5	33·6	30·3	31·6	
Daily Range	7·2	17·3	23·5	22·3	19·5	23·3	
Maximum in Shade	67·9	77·0	77·5	78·5	73·5	78·0	
Minimum in Shade	51·5	49·7	46·0	44·9	43·2	46·4	
Temperature of Dew Point	54·7	52·1	55·8	50·5	49·2	49·9	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS	GRS.	
Degree of Humidity (Saturation—1,000)	0·830	0·710	0·648	0·690	0·713	0·670	
Prevailing Winds		NW,NE	NE,E	NNW,NNE	N	NE	
Rain	....	....	0·001	....	0·000	0·000	
Ozonometer.							
Moffat	....	0·28	0·00	2·57	....	....	
Schonbein	....	0·00	0·00	....	1·86	1·00	

NO RETURN.

June 27, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, JULY 11, 1868. No. 415

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 11th instant, 1712 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1481. The deaths among these patients during the week amounted to 65, being in the proportion of 1 death to every 26 cases.

Scarlatina continues very prevalent, 47 cases were observed during the week, being 5 less than in the previous return. The cases were thus distributed: 15 occurred in Manchester, 11 in Salford, 10 in Hulme, and 11 in Chorlton.

The cases of Continued Fever are still very numerous, 99 are returned, being 4 more than last week; 25 of these were treated as in-patients (being about half the number of severe cases), the rest were visited at their homes.

There is a great increase in the cases of Diarrhœa and Dysentery, the number has risen from 145 to 249. In the corresponding week of last year the number was 116.

Bronchitis and other acute chest diseases have increased in prevalency, last week the number was 128, in the present return they have risen to 146.

Six cases of Whooping-Cough occurred during the week, 3 were treated at St. Mary's Hospital and 3 at the Clinical Hospital.

Small-Pox is absent from this return.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 296 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Sixty-two deaths were caused by Diarrhœa, 51 by Diseases of the Lungs, 24 by Scarlatina, 14 by Fever, and 9 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 61·6°; at the Salford Observatory it was 61·8°; at Eccles 61·5°; and at Old Trafford 62·4°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	1	..	..	1	..	..	..	..	..	..	5	1	.
Scarlet Fever	3	..	..	1	..	..	4	1	..	1	1	..	2	4	2	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	3	3	.
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Diarrhœa	3	3	4	6	5	6	27	25	..	16	3	2	1	49	35	
Dysentery	..	..	..	..	..	2	2	..	.	1	..	..	..	1	..	.
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Erysipelas	..	..	..	..	..	..	..	2	..	3	1	..	1	..	..	
Continued Fever	..	..	4	1	*a*1	1	7	..	..	..	..	1	..	..	1	.
Typhus	..	*a*1	1	..	..	..	2	12	7	..	..	..	..	..	..	.
Enteric or Typhoid	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	.
Febricula	1	.	..	1	..	1	3	..	..	6	..	..	..	15	5	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Rheumatic Fever	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	.
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	.
Bronchitis and Catarrh	4	4	..	1	1	2	12	12	..	31	..	3	.	3	3	4
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Pleurisy and Pneumonia	..	..	..	..	..	..	..	5	..	..	..	..	1	..	1	..
Phthisis	..	..	..	..	..	..	..	6	1	23	..	1	2	7	2	1
Constitutional Syphilis	..	..	..	..	..	..	..	8	3	18	..	1	1	1	4	2
All other Diseases	15	7	18	7	5	9	61	32	36	169	7	4	10	64	69	2
Accidents	1	..	..	.	..	2	3	16	21	117	..	1	..	..	..	..
TOTAL	27	15	27	18	12	23	122	128	68	385	12	13	18	152	126	19

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.

(9), (10), (11), (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN

(13) Mr. H. RUNCORI
(14) ,, J. FINLAYSO
(15) ,, J. OGDEN FLE
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 11th day of July, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.....			.. 646...		508.	.... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										DISEASES	DEATHS.
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	Salford County Gaol. 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Anccats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.		
..	..	..	..	..	..	..	..	..	..	..	..	...	..	1	Small-pox	..
2	..	..	4	..	..	..	1	2	1	..	..	..	17	8	Measles	..
..	3	..	8	..	9	..	1	3	6	..	..	2	47	1	Scarlet Fever.	6
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	.	..		..	..	..	..	..	..	6	17	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
12	7	..	16	7	5	3	6	2	15	1	6	1	243	112	Diarrhœa	6
..	..	..	2	..	..	..	..	..	..	..	..	..	6	4	Dysentery	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	1	1	..	..	..	..	..	..	..	10	5	Erysipelas	..
al	..	5	3	..	..	2	..	..	2	..	..	..	22		Continued Fever	..
..	..	..	1	..	..	..	..	..	..	..	..	..	22	34	Typhus	4
..	..	..	3	..	..	..	..	..	..	..	..	..	6		Enteric or Typhoid ..	2
..	3	..	3	..	2	..	2	1	1	..	5	..	49		Febricula	..
..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	Ague	..
..	..	..	3	..	..	..	..	..	..	..	1	..	10	65	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
5	4	..	25	2	1	4	2	..	4	..	4	10	129	145	Bronchitis & Catarrh	3
..	..	..	..	..	..	..	..	..	..	..	..	..	2		Influenza	..
.	..	..	4	..	..	..	..	..	2	..	2	..	15	17	Pleurisy & Pneumonia.	1
.	2	..	9	..	..	..	..	..	3	..	4	..	61	64	Phthisis	10
1	..	..	5	2	..	..	..	..	..	..	..	2	48	37	Constitutional Syphilis	1
6	12	2	68	4	9	4	8	20	33	8	8	103	749	971	All other diseases	30
2	..	..	70	..	1	..	1	1	16	..	20	..	269		Accidents	1
9	31	7	224	16	28	13	22	29	83	9	50	118	1712	1481	TOTAL	65

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. EDWIN S. JOTHAM,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	Total.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	4	1	1	..	..	..	..	..	..	3	..	9	8
Whooping-cough	..	..	..	..	..	1	2	..	..	..	..	3	11
Scarlatina	4	1	..	5	3	3	4	..	1	3	..	24	5
Diarrhœa	10	12	5	6	4	6	5	1	*d*8	2	3	62	38
Fever	..	..	5	3	1	..	..	1	*e*2	1	*g*1	14	4
Diseases of the Lungs	10	2	3	6	5	3	5	1	7	7	2	51	75
Other causes	*a*13	14	28	*b*4	10	*c*6	12	4	*f*13	21	8	133	109
Total No. of Deaths.	41	30	42	24	23	19	28	7	31	37	14	296	250
Total No. of Births.	35	56	25	13	14	27	25	11	36	41	24	307	329

a 1 Cholera. *b* 1 Inquest. *c* 2 Inquests. *d* All Infantile. *e* 1 Gastric and 1 Typhoid.
f 1 Cholera, a Female, 20 hours duration. *g* Malignant Scarlet.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, London.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in Manchester and Salford.
Population in 1861, 390,815.

4 Weeks ending 25th April.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	TOTAL.	DISEASES.	4 Weeks ending 25th April.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	TOTAL
2	18	9	29	Small-pox	..	3	3	6
85	125	118	328	Measles	38	105	69	212
38	36	46	120	Scarlet Fever	88	143	143	374
1	1	1	3	Diphtheria	1	..	..	1
73	67	38	178	Whooping-cough	79	58	24	161
1	3	2	6	Croup	4	5	..	9
260	468	1217	1945	Diarrhœa	161	247	276	684
2	1	..	3	Dysentery	14	11	12	37
..	..	..	..	Malignant Cholera	..	..	..	..
21	24	24	69	Erysipelas	23	19	22	64
7	7	5	19	Continued Fever	92	90	92	274
1	1	1	3	Typhus	95	143	99	337
4	1	2	7	Enteric or Typhoid	27	31	12	70
52	54	44	150	Febrieula	152	205	150	507
..	..	1	1	Ague	..	2	2	4
70	74	41	185	Rheumatic Fever	65	68	45	178
..	1	..	1	Puerperal Fever	4	3	..	7
818	802	590	2210	Bronchitis and Catarrh	929	935	562	2426
4	2	3	9	Influenza	55	20	14	89
35	48	43	126	Pleurisy and Pneumonia	78	89	79	246
96	114	120	330	Phthisis	297	357	244	898
40	40	34	114	Constitutional Syphilis	190	243	180	613
3808	4947	3817	12572	Accidents, and all other Diseases	3770	4569	3976	12315
5418	6834	6156	18408	TOTAL	6162	7346	6004	19512

Meteorological Observations, taken at Manchester and the Neighbourhood.

FALL OF RAIN IN JUNE.	Inches.	Wet Days.
Eccles	0·670	8
Royton	0·576	8
Wilmslow	0·391	9
Old Trafford	0·368	8
Salford	0·176	12
Penketh	0·249	7

	Royal Infirmary, Dr. Reed.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. Vernon, Esq.	Eccles, T. Mackereth Esq.	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea level	130ft.	108 ft.	23 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·132	30·141	30·147	30·141	30·143	30·125	30·137
Highest (Unreduced)	30·215	30·205	30·214	30·205	30·122	29·746	30·300
Lowest (Unreduced)	29·984	29·975	29·970	29·975	29·880	29·500	30·072
Range	0·229	0·230	0·244	0·230	0·242	0·246	0·228
Temperature.							
Adopted Mean	58·8	61·8	62·4	61·5	60·4	60·8	63·4
Range for Week	14·0	26·5	33·5	33·2	28·0	33·0	39·3
Daily Range	7·2	15·6	21·0	19·2	17·9	20·6	24·4
Maximum in Shade	66·9	77·5	82·0	80·0	74·0	79·0	83·3
Minimum in Shade	52·9	51·0	48·5	46·8	46·0	46·0	44·0
Temperature of Dew Point	53·6	54·9	52·6	52·3	51·6	51·1	52·9
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·830	0·786	0·705	0·725	0·726	0·703	0·686
Prevailing Winds	....	W,E	SW,NE	NW,NE	S,SW	NE	NW,NE
Rain	....	0·030	0·040	0·035	0·020	0·000	0·033
Ozonometer.							
Moffat	....	....	1·00	3·00	....	....	....
Schonbein	....	....	0·00	....	3·14	4·80	4·50

July 11, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, JULY 18, 1868. No. 416

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 18th instant, 1721 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1473. The deaths among these patients during the week amounted to 71, being in the proportion of 1 death to every 24 cases.

Scarlatina shows no tendency to decline; an increase of 5 cases has taken the place of the diminution to that extent reported last week, the number for this week being 52, the same as for the week ending July 4th.

Seven cases of Measles are returned, being the same as in the preceding week. This disease is not so generally distributed as it was a fortnight ago.

Diarrhœa and Dysentery are very prevalent and continue to increase; last week 249 cases were returned, they have this week risen to 267. Some of the cases have been very severe, and one was returned as malignant Cholera; this case was treated at the Manchester Infirmary and terminated fatally in twenty-four hours.

Continued Fever still prevails greatly in the public practice of Manchester and Salford. The number of cases this week is 103.

Bronchitis and other acute chest diseases have fallen from 146 to 126 cases. The number for the corresponding week of last year was 152.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 313 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

One hundred and one deaths were caused by Diarrhœa, 41 by Diseases of the Lungs, 21 by Scarlatina, 13 by Fever, and 6 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 70·7°; at the Salford Observatory it was 65·0°; at Eccles 64·3°; and at Old Trafford 65·4°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	1 St. Peter's	2 St. Andrew's	3 St. George's	4 Cathedral	5 St. Jude's	6 St. Michael's	Total of Districts.	7 Workhouse.	8 In-patients.	9 Out-patients.	10 District I.	11 District II.	12 District III.	13 St. Mary's Hospital.	14 Clinical Hospital.	15 City Gaol.
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Measles	..	..	..	..	1	5	6	..	..	..	..	..	..	3	5	.
Scarlet Fever	1	..	..	..	2	..	3	3	1	..	1	3	2	8	4	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	.
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Diarrhœa	8	9	..	8	3	8	36	21	..	15	..	..	3	56	17	
Dysentery	..	..	..	1	..	..	1	1	..	..	..	..	..	..	..	.
Malignant Cholera	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	.
Erysipelas	..	..	..	..	..	..	..	1	..	3	..	..	..	..	..	
Continued Fever	..	..	2	1	1	1	5	..	..	..	..	2	..	11	..	.
Typhus	1	..	..	..	..	..	1	8	7	..	..	..	4	..	..	.
Enteric or Typhoid	..	..	..	..	..	..	..	2	1	..	..	..	1	..	..	.
Febricula	1	.	..	..	..	..	1	..	..	..	..	1	1	15	..	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Rheumatic Fever	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	.
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	.
Bronchitis and Catarrh	..	3	1	..	2	2	8	14	1	11	2	..	..	..	8	
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Pleurisy and Pneumonia	..	..	..	..	..	..	..	3	..	..	..	1	..	1	1	
Phthisis	..	2	..	1	..	2	5	8	..	29	1	2	3	2	..	
Constitutional Syphilis	..	..	..	..	..	..	..	..	..	16	..	..	1	..	..	
All other Diseases	19	7	7	7	4	6	50	56	17	173	2	5	7	57	28	
Accidents	2	1	..	..	..	..	3	11	23	157	..	1	2	..	..	..
TOTAL	32	22	10	18	13	24	119	131	51	404	6	15	24	155	63	1

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) „ JOHN WALSH.

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
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(8) „ C. J. CULLINGWORTH.

(9) (10) (11) (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN

(13) Mr. H. RUNCORN
(14) „ J. FINLAYSO
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(16) „ J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

e Week ending the 18th day of July, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	Salford County Gaol. 20	St. George's. 21	Medlock. 22	St. Philip's 23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	...	..	3	Small-pox	..
..	..	..	2	..	..	..	1	..	..	..	..	..	17	9	Measles	..
..	6	..	7	..	4	2	3	1	3	..	..	1	52	3	Scarlet Fever.....	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	3	..	..	..	..	..	..	..	..	..	5	15	Whooping-cough	1
..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup	..
1	9	..	23	5	10	2	5	6	25	..	8	12	258	145	Diarrhœa	13
1	..	..	4	..	..	..	..	1	1	..	..	..	9	6	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Malignant Cholera ..	1
..	..	..	..	..	1	..	..	..	..	..	..	..	6	6	Erysipelas	..
3	..	4	5	..	..	3	..	..	2	..	..	..	35		Continued Fever	1
..	1	..	2	..	..	..	..	1	..	..	..	3	27	54	Typhus	2
..	..	..	2	..	..	..	..	..	..	..	..	..	6		Enteric or Typhoid ..	2
..	1	..	4	..	..	..	2	1	2	1	4	..	35		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	..	2	..	..	..	..	..	..	..	1	..	6	59	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
1	3	..	23	2	..	5	6	..	4	6	3	7	107	135	Bronchitis & Catarrh	6
..	..	..	4	..	..	..	..	..	..	..	..	..	6		Influenza	..
..	1	..	2	..	..	..	1	..	1	..	1	..	13	17	Pleurisy & Pneumonia.	..
..	1	..	11	..	1	..	2	1	2	..	1	3	73	63	Phthisis	9
..	1	..	3	2	..	..	..	1	1	..	..	4	32	32	Constitutional Syphilis	1
18	18	7	65	3	12	3	14	16	32	7	12	112	716	926	All other diseases	29
..	2	..	64	..	1	..	..	..	21	1	30	..	316		Accidents	3
24	43	11	226	12	29	15	34	28	95	15	60	142	1721	1473	TOTAL	71

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. EDWIN S. JOTHAM,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions rawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	3	..	..	..	..	..	..	..	3	..	6	7
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	10
Scarlatina	4	4	..	2	1	1	2	..	4	2	1	21	3
Diarrhœa	24	20	9	9	3	3	10	4	8	8	3	101	53
Fever	1	1	*b*1	3	*b*2	1	..	..	..	3	*b*1	13	10
Diseases of the Lungs	6	4	5	5	2	8	..	2	3	5	1	41	56
Other causes	16	*a*16	13	5	8	*c*10	*d*13	9	*e*9	25	7	131	99
TOTAL NO. OF DEATHS.	51	48	28	24	16	23	25	15	24	46	13	313	238
TOTAL NO. OF BIRTHS.	35	45	4	23	9	19	18	19	38	31	21	262	279

a 1 Inquest. *b* Typhus. *c* 1 English Cholera, aged 2 years. *d* 1 Cholera, 24 hours. *e* 1 Cholera.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161630.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,815.

4 Weeks ending 25th April.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	TOTAL.	DISEASES.	4 Weeks ending 25th April.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	TOTAL
2	18	9	29	Small-pox	..	3	3	6
85	125	118	328	Measles	38	105	69	212
38	36	46	120	Scarlet Fever	88	143	143	374
1	1	1	3	Diphtheria	1	..	..	1
73	67	33	173	Whooping-cough	79	58	24	161
1	3	2	6	Croup	4	5	..	9
260	468	1217	1945	Diarrhœa	161	247	276	684
2	1	..	3	Dysentery	14	11	12	37
..	..	..	..	Malignant Cholera	..	..	..	..
21	24	24	69	Erysipelas	23	19	22	64
7	7	5	19	Continued Fever	92	90	92	274
1	1	1	3	Typhus	95	143	99	337
4	1	2	7	Enteric or Typhoid	27	31	12	70
52	54	44	150	Febricula	152	205	150	507
..	..	1	1	Ague	..	2	2	4
70	74	41	185	Rheumatic Fever	65	68	45	178
..	1	..	1	Puerperal Fever	4	3	..	7
818	802	590	2210	Bronchitis and Catarrh	929	935	562	2426
4	2	3	9	Influenza	55	20	14	89
35	48	43	126	Pleurisy and Pneumonia	78	89	79	246
96	114	120	330	Phthisis	297	357	244	898
40	40	34	114	Constitutional Syphilis	190	243	180	613
3808	4917	3817	12572	Accidents, and all other Diseases	3770	4569	3976	12315
5418	6834	6156	18408	TOTAL	6162	7346	6004	19512

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JUNE.

	Inches.	Wet Days.
Eccles	0·670	8
Royton	0·556	8
Wilmslow	0·391	9
Old Trafford	0·368	8
Salford	0·776	12
Penketh	0·249	7

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	23 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	30·047	30·047	30·047	NO RETURN.	30·027	30·038
Highest (Unreduced)		30·164	30·164	30·164		29 710	30·248
Lowest (Unreduced)		29·869	29·870	29·869		29·395	29·948
Range		0·295	0·294	0·295		0·315	0·300
Temperature.							
Adopted Mean		65·0	65·4	64·3		63·4	66·5
Range for Week		35·4	43·0	39·7		39·5	47·5
Daily Range		19·6	26·3	26·2		26·7	32·6
Maximum in Shade		88·4	95·5	89·6		88·4	94·4
Minimum in Shade		53·0	52·5	49·9		48·9	46·9
Temperature of Dew Point		54·2	53·0	51·3		50·0	53·3
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·685	0·639	0·626		0·618	0·626
Prevailing Winds		NE, W	NE, SE	NE, WNW		SE	NW
Rain		0·223	0·216	0·285		0·380	0·295
Ozonometer.							
Moffat		....	3·00	4·57		....	....
Schonbein		....	1·28	....		3·00	2·90

July 18, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, JULY 25, 1868. No. 417

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 25th instant, 1884 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1498. The deaths among these patients amounted to 56, being in the proportion of 1 death to every 33 cases.

Scarlatina continues to be very prevalent. Though the return for this week shows a slight improvement upon that of the preceding week there is no reason to think that the disease is declining in Manchester and Salford. As will be seen below, the number of deaths from this disease in the eleven registration districts is more than double the number for the previous week.

There is a slight increase in the cases of Measles, 21 cases being returned instead of 17.

Diarrhœa is increasing in prevalency week by week; in the last return 267 were recorded, in the present they have risen to 367. One case of Cholera (which proved fatal) was received at the Infirmary; 2 other cases occurred in private practice, one in Pendleton and the other in Chorlton.

There is a slight improvement under the column assigned to Continued Fever, the cases having fallen from 103 to 96; 28 were returned as cases of Typhus and 9 as Typhoid Fever.

Acute Chest Diseases continue to diminish in frequency, 120 cases are returned for the week under notice.

Three cases of Small-Pox occurred during the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 337 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association.

Ninety-eight deaths were caused by Diarrhœa, 49 by Scarlatina, 39 by Diseases of the Lungs, 13 by Fever, and 8 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 69·2°; at the Salford Observatory it was 63·3°; at Eccles 62·9°; and at Old Trafford 63·9°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment Dur

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts. St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Public Institutions. Workhouse. 7	Royal Infirmary. In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	Children St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	c2	..	..	2	1	..	..	..	..	..	..	..	..
Measles	2	..	..	..	..	4	6	1	..	..	..	..	..	4	1	..
Scarlet Fever	..	..	b6	a1	..	..	7	3	2	..	2	..	3	3	4	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	5	5	6	3	8	14	41	16	..	24	..	..	5	54	33	7
Dysentery	..	..	..	..	1	..	1	..	..	..	..	..	..	1	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Erysipelas	1	..	..	..	..	..	1	..	2	1	..	..	1	..	..	..
Continued Fever	..	..	2	1	a1	..	4	..	..	..	..	..	..	3	..	..
Typhus	..	a2	..	..	..	a2	4	8	6	..	..	1	1	..	..	..
Enteric or Typhoid	..	..	2	..	..	..	2	2	..	..	..	..	..	..	..	..
Febricula	2	..	1	1	..	1	5	2	1	..	..	2	1	5	1	3
Ague	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	2	..	..	..	2	3	1	..	..	..	..	..	..	..
Puerperal Fever	..	..	1	..	..	..	1	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	..	4	1	1	2	2	10	12	..	15	..	4	..	..	6	3
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Pleurisy and Pneumonia	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..
Phthisis	..	1	..	..	..	..	1	7	..	21	..	3	..	4	..	1
Constitutional Syphilis	..	..	..	..	..	..	..	10	..	16	..	..	1	1	2	2
All other Diseases	18	3	7	5	..	8	41	67	20	178	6	6	4	83	79	2
Accidents	..	1	..	..	..	1	2	13	15	125	..	..	1	..	..	..
TOTAL	28	16	28	14	12	32	130	149	48	580	8	16	17	159	127	22

a Removed to Workhouse. *b* 5 In one Family. *c* 1 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
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(9), (10), (11), (12) Mr. W. E. RICHARDSON, „ T. HENRY PINDER, „ S. J. TRUEMAN
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TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 25th day of July, 1868.

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Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's									
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	...	3	..	Small-pox	..
..	..	..	3	..	..	1	..	2	2	..	1	..	21	11	Measles	..
..	5	..	4	..	6	..	3	3	2	..	..	1	48	2	Scarlet Fever.	4
..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	Diphtheria	..
..	..	..	1	..	..	..	..	..	..	..	..	..	3	22	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
4	9	..	27	28	16	6	7	18	32	3	9	21	360	167	Diarrhœa	9
..	..	..	2	..	..	..	..	..	1	..	..	2	7	6	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Malignant Cholera ..	1
..	..	..	1	..	..	..	..	..	..	..	..	..	6	1	Erysipelas	..
1	..	4	4	..	..	..	..	..	1	..	..	..	20		Continued Fever	..
..	..	..	3	..	..	..	..	1	..	..	..	4	28	34	Typhus	2
..	..	..	4	..	..	..	..	..	..	..	..	1	9		Enteric or Typhoid ..	1
..	2	..	4	..	1	..	3	2	4	..	3	..	39		Febricula	..
..	..	..	1	..	..	..	..	..	..	..	..	..	2	..	Ague	..
..	..	..	3	..	..	1	..	..	..	..	..	..	10	56	Rheumatic Fever	..
.	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Puerperal Fever.....	1
1	3	..	27	2	2	2	4	..	3	..	5	7	106	134	Bronchitis & Catarrh	6
.	..	..	3	..	..	..	..	..	..	..	1	1	7		Influenza	..
.	..	..	2	..	..	..	..	..	1	..	1	..	7	15	Pleurisy & Pneumonia.	2
.	1	..	11	..	1	1	..	1	5	1	1	6	65	62	Phthisis	8
.	..	..	6	3	..	..	..	1	2	..	..	9	53	37	Constitutional Syphilis	..
0	16	7	72	3	10	9	15	15	29	10	16	98	806	950	All other diseases	21
1	2	..	60	1	1	..	3	1	24	..	30	1	280		Accidents	1
0	38	11	238	37	37	20	35	44	106	14	67	151	1884	1498	TOTAL	56

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
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(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
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Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	1	1	..	..	1	1	..	1	1	2	..	8	4
Whooping-cough	..	..	..	..	..	..	1	1	..	1	..	3	14
Scarlatina	4	5	2	4	10	3	3	1	4	8	5	49	3
Diarrhœa	23	14	3	2	7	10	*e*5	5	*g*12	12	5	98	62
Fever	1	2	*a*4	3	..	*c*1	1	1	..	..	..	13	3
Diseases of the Lungs	7	4	3	..	3	6	4	1	2	7	2	39	58
Other causes	9	15	14	*b*6	10	8	18	*f*8	*h*6	28	5	127	134
TOTAL NO. OF DEATHS.	45	41	26	15	31	29	32	18	25	58	17	337	279
TOTAL NO. OF BIRTHS.	48	42	12	17	27	39	27	29	26	39	24	330	349

a 3 Typhus and 1 Typhoid. *b* 1 Inquest. *c* Typhoid. *d* 8 Under 12 Months old. *e* All under 12 Months old. *f* 1 Cholera. *g* All under 2 years of age. *h* 1 Cholera, 32 hours.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,815.

4 Weeks ending 25th April.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	TOTAL.	DISEASES.	4 Weeks ending 25th April.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	TOTAL
2	18	9	29	Small-pox	..	3	3	6
85	125	118	328	Measles	38	105	69	212
38	36	46	120	Searlet Fever	88	143	143	374
1	1	1	3	Diphtheria	1	..	..	1
73	67	38	178	Whooping-cough	79	58	24	161
1	3	2	6	Croup	4	5	..	9
260	468	1217	1945	Diarrhœa	161	247	276	684
2	1	..	3	Dysentery	14	11	12	37
..	..	..	..	Malignant Cholera	..	..	..	..
21	24	24	69	Erysipelas	23	19	22	64
7	7	5	19	Continued Fever	92	90	92	274
1	1	1	3	Typhus	95	143	99	337
4	1	2	7	Enterie or Typhoid	27	31	12	70
52	54	44	150	Febricula	152	205	150	507
..	..	1	1	Ague	..	2	2	4
70	74	41	185	Rheumatic Fever	65	68	45	178
..	1	..	1	Puerperal Fever	4	3	..	7
818	802	590	2210	Bronchitis and Catarrh	929	935	562	2426
4	2	3	9	Influenza	55	20	14	89
35	48	43	126	Pleurisy and Pneumonia	78	89	79	246
96	114	120	330	Phthisis	297	357	244	898
40	40	34	114	Constitutional Syphilis	190	243	180	613
3808	4947	3817	12572	Accidents, and all other Diseases	3770	4569	3976	12315
5418	6834	6156	18408	TOTAL	6162	7346	6004	19512

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JUNE.	Inches.	Wet Days.
Eccles	0·670	8
Royton	0·576	8
Wilmslow	0·391	9
Old Trafford	0·368	8
Salford	0·176	12
Penketh	0·249	7

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	30·155	30·169	30·155	NO RETURN.	30·167	30·160
Highest (Unreduced)		30·367	30·464	30·367		29·962	30·550
Lowest (Unreduced)		29·959	29·952	29·959		29·436	30·034
Range		0·408	0·512	0·408		0·526	0·516
Temperature.							
Adopted Mean		63·3	63·9	62·9		62·2	65·1
Range for Week		32·7	43·5	42·5		44·2	50·1
Daily Range		18·8	24·6	22·7		26·3	27·0
Maximum in Shade		81·3	88·0	84·5		87·2	87·0
Minimum in Shade		48·6	44·5	42·0		43·0	36·9
Temperature of Dew Point		52·8	52·4	51·0		49·2	52·7
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·688	0·664	0·659		0·638	0·643
Prevailing Winds		NW, NE	NE, SW	W, NE		NE	E, NE
Rain		0·011	0·008	....		0·000	0·010
Ozonometer.							
Moffat		....	2·86	2·43		....	....
Schonbein		....	0·00	....		2·80	3·10

July 25, 1868. JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, AUGUST 1, 1868. No. 418

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 1st of August, 1843 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding week the number was 1884. The deaths among these cases during the week amounted to 93, 27 of which were caused by accidents; excluding these deaths by accidents, the proportion of deaths to cases was 1 in 27.

There is an improvement in all the zymotic diseases except Continued Fever.

The cases of Measles have fallen from 21 to 15.

The number of Scarlatina cases this week has diminished, 44 are returned; the numbers for the three last weeks being 52, 48, and 44. Six of these 44 cases were treated as in-patients at the Royal Infirmary, and 2 in the Manchester Workhouse; the rest were visited at their homes.

There is a decrease in the cases of Diarrhœa, last week 367 cases were returned, in the present return the number of cases is 357.

Continued Fever is on the increase, the cases have risen from 96 to 114; 35 cases were assigned to Typhus and 7 to Typhoid Fever. Six of the Typhus cases were treated as in-patients of the Royal Infirmary, 8 in the Manchester Workhouse, and 4 in the Chorlton Union Workhouse.

The cases of Bronchitis and other acute chest diseases have fallen from 120 to 105.

Two cases of Small-Pox and 2 of Whooping-Cough occurred during the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 325 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association.

Eighty-seven deaths were caused by Diarrhœa, 41 by Diseases of the Lungs, 28 by Scarlatina, 19 by Fever, 8 by Measles, and 3 by Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 67·6°; at the Salford Observatory it was 63·7°; at Eccles 63·4°; and at Old Trafford 63·8°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	2	3	..	..	..	1	..	..	..	2	..
Scarlet Fever	..	..	..	a1	..	..	1	2	6	..	1	1	..	1	5	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Diarrhœa	4	9	6	6	5	5	35	10	..	18	..	2	2	60	25	5
Dysentery	..	1	..	..	..	2	3	..	..	2	1	..	..	2	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Continued Fever	..	..	..	a1	..	..	1	..	..	3	..	2	..	6	..	..
Typhus	..	..	..	..	a3	a2	5	8	6	..	..	..	4	1	1	..
Enteric or Typhoid	..	..	..	a1	..	..	1	2	1	..	..	..	..	..	..	..
Febricula	3	.	1	2	3	2	11	2	..	6	1	..	..	6	1	3
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	2	..	..	..	1	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	1	3	1	..	..	1	6	7	..	23	..	1	1	1	5	5
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Pleurisy and Pneumonia	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	1
Phthisis	..	..	1	1	..	..	2	5	..	19	1	3	4	..	..	1
Constitutional Syphilis	..	..	..	1	..	..	1	8	1	17	..	..	..	..	1	4
All other Diseases	7	5	9	9	3	6	39	63	20	182	6	4	9	63	79	2
Accidents	..	..	1	..	..	..	1	12	57	132	..	1	1	..	..	..
TOTAL	16	18	20	22	14	20	110	123	93	402	11	15	21	140	120	23

a Removed to Workhouse. *b* 23 Deaths from the catastrophe at Lang's Music Hall.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN
(13) Mr. H. RUNCORN,
(14) ,, J. FINLAYSON,
(15) ,, J. OGDEN FLET
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 1st day of August, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.....			.. 646...		508	..... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			..44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										DISEASES.	DEATHS.
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	Salford County Gaol. 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.		
..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	Small-pox	..
..	..	..	5	..	..	1	..	..	2	..	1	..	15	9	Measles	..
1	..	..	8	..	7	1	9	..	1	..	..	...	44	7	Scarlet Fever.....	4
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	1	..	..	..	..	..	..	1	..	..	2	24	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	..
8	5	..	38	13	18	4	12	11	49	..	10	15	340	151	Diarrhœa	10
1	1	..	6	..	..	..	1	..	..	..	..	..	17	9	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	..	..	..	..	1	3	9	Erysipelas	..
2	..	6	5	..	..	..	..	..	..	..	..	..	25	14	Continued Fever	..
..	2	..	3	..	..	..	..	..	a1	..	..	4	35	11	Typhus	6
..	..	..	1	..	..	..	..	1	a1	..	..	..	7	4	Enteric or Typhoid ..	..
.	3	..	3	..	1	1	2	..	2	..	5	..	47	12	Febricula	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
.	..	..	..	..	1	..	..	..	..	2	..	..	6	34	Rheumatic Fever	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
4	3	..	17	..	2	5	2	1	2	1	4	4	94	165	Bronchitis & Catarrh	4
.	..	..	..	..	..	..	..	..	..	..	..	..	2	3	Influenza	..
	..	..	4	..	1	..	..	..	..	..	1	..	9	25	Pleurisy & Pneumonia.	1
	1	..	13	..	2	..	1	..	2	1	2	3	62	48	Phthisis	12
	..	..	7	3	..	..	..	1	1	..	..	10	54	47	Constitutional Syphilis	2
	19	5	63	4	5	10	14	20	26	4	10	86	752	637	All other diseases	27
	2	..	73	..	2	..	2	..	13	..	30	..	326	295	Accidents	b27
	36	11	247	20	39	22	43	34	100	9	63	124	1843	1504	TOTAL	93

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. EDWIN S. JOTHAM,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

e reports of the Association, and has as far as practicable, been taken into account in the conclusions n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	1	..	..	1	1	2	1	1	..	1	8	5
Whooping-cough	..	..	..	..	..	1	..	..	..	2	..	3	3
Scarlatina	4	3	..	1	6	..	4	1	4	4	1	28	5
Diarrhœa	19	7	1	5	*c*7	5	8	8	*f*7	12	8	87	57
Fever	1	1	*a*6	2	..	2	*a*2	..	*a*1	1	*g*3	19	18
Diseases of the Lungs	4	2	3	1	2	5	5	3	7	8	1	41	65
Other causes	20	15	7	*b*7	11	16	*d*12	*e*12	11	25	3	139	92
TOTAL NO. OF DEATHS.	48	29	17	16	27	30	33	25	31	52	17	325	245
TOTAL NO. OF BIRTHS.	36	32	12	11	17	22	33	16	47	60	15	301	340

a Typhus. *b* 2 Inquests. *c* All under 18 Months old. *d* 1 Inquest. *e* 2 Cholera. *f* 6 Infantile. *g* 1 Gastric, 1 Typhoid and 1 Scarlet.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th April.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	TOTAL.	DISEASES.	4 Weeks ending 25th April.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	TOTAL
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..	..	..	..	Malignant Cholera	..	..	..	..
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FALL OF RAIN IN JULY.

	Inches.	Wet Days.
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Royton	0·450	4
Eccles	0·441	5
Salford	0·399	6
Penketh	0·371	5
Wilmslow	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorogl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·932	29·951	29·820	29·951	NO RETURN.	29·940	29·947
Highest (Unreduced)	30·251	30·253	30·275	30·253		29·780	30·352
Lowest (Unreduced)	29·453	29·525	29·518	29·525		29·022	29·576
Range	0·778	0·728	0·757	0·728		0·758	0·776
Temperature.							
Adopted Mean	58·8	63·7	63·8	63·4		62·7	65·6
Range for Week	15·6	37·2	45·5	42·2		43·6	51·5
Daily Range	4·2	22·8	29·7	28·0		29·0	32·0
Maximum in Shade	70·8	86·2	91·5	87·3		85·0	93·0
Minimum in Shade	55·2	49·0	46·0	45·1		41·4	41·5
Temperature of Dew Point	51·2	49·5	52·1	47·4		50·2	52·4
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·760	0·598	0·658	0·566		0·638	0·625
Prevailing Winds		NW	SW, W	W, NW		SW	SW, NW
Rain	....	0·135	0·190	0·121		0·070	0·033
Ozonometer.							
Moffat	....	0·14	2·43	3·28		....	....
Schonbein	....	....	1·00	....		3·60	5·40

August 1, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, AUGUST 8, 1868. No. 419

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 8th instant, 1844 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1517. The deaths among these cases during the week amounted to 47, being in the proportion of 1 death to every 39 cases.

It is satisfactory to find a considerable diminution in the cases of Scarlatina, they have fallen from 44 to 26.

Measles remains much as it was in the last return, the number of cases for the two last weeks being 15 and 14 respectively.

There is an increase in the cases of Diarrhœa, 384 cases being returned, only 7 of which proved fatal.

The increase in the cases of Continued Fever reported last week has fortunately not been maintained; the number has fallen from 114 to 91; 21 of these were cases of Typhus and 8 of Typhoid Fever. Fifteen of the Typhus Fever cases were treated as in-patients of the several Workhouses and of the Royal Infirmary.

Bronchitis and other acute chest diseases continue to diminish, 103 cases are returned for this week.

Only 3 cases of Whooping-Cough occurred during the week, and these were treated at the Salford Dispensary.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 349 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association.

One hundred and fourteen deaths were caused by Diarrhœa, 44 by Diseases of the Lungs, 37 by Scarlatina, 18 by Fever, and 14 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 69·8°; at the Salford Observatory it was 70·4°; and at Eccles 69·1°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment Du

	MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	1	1	..	..	..	1	..	..	..	1	..
Scarlet Fever	1	2	..	..	..	..	3	..	..	..	1	2	1	2	6	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	4	6	3	3	1	3	20	8	..	20	1	2	2	42	29	60
Dysentery	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..
Continued Fever	a1	..	..	a	..	..	3	..	..	..	..	..	..	7	..	..
Typhus	..	..	..	..	..	1	1	4	4	..	..	1	a1	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..
Febricula	3	.	..	..	1	..	4	2	1	5	1	..	3	7	..	2
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	1	..	1	..	2	2	1	..	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	2	1	1	..	..	5	9	10	..	11	..	2	..	..	6	..
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Pleurisy and Pneumonia	1	..	1	..	..	..	2	1	..	2	..	..	..	..	..	..
Phthisis	..	..	1	..	..	1	2	3	..	29	1	..	2	2	1	..
Constitutional Syphilis	..	..	..	..	..	..	..	7	..	23	..	1	1	..	2	2
All other Diseases	18	10	10	9	3	10	60	92	17	192	4	5	5	91	111	4
Accidents	1	2	..	..	1	..	4	11	17	127	..	..	..	..	..	..
TOTAL	31	21	17	14	7	23	113	141	40	409	9	13	15	153	157	71

a Removed to Workhouse. *b* 2 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN
(13) Mr. H. RUNCORN
(14) ,, J. FINLAYSON
(15) ,, J. OGDEN FLE
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 8th day of August, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329					477			646		508	2650				Area in Statute Acres.	
70,967					68,209			44,850		21739	24,448				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	Salford County Gaol. 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	Small-pox	..
1	..	..	2	..	1	1	..	1	3	..	2	..	14	12	Measles	..
..	..	..	5	..	2	2	1	..	1	..	..	...	26	3	Scarlet Fever	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	3	..	..	.	..	..	..	..	..	..	3	22	Whooping-cough	..
..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup	..
8	9	..	43	4	14	10	11	11	32	4	2	40	373	113	Diarrhœa	6
1	..	..	8	..	..	..	..	..	..	..	..	..	11	12	Dysentery	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	8	Erysipelas	1
..	..	1	3	..	1	b3	..	1	..	..	..	..	19	7	Continued Fever	..
..	1	..	3	..	a1	..	..	..	..	..	..	5	21	14	Typhus	3
..	2	..	2	..	..	..	1	..	..	..	..	1	8	7	Enteric or Typhoid	..
..	2	..	4	1	..	1	1	5	4	..	..	..	43	25	Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	..	..	1	..	1	..	1	..	..	..	..	8	29	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever	..
3	1	..	22	..	..	1	2	4	3	..	4	5	83	166	Bronchitis & Catarrh	1
..	..	..	7	..	..	..	..	..	..	..	..	..	10	8	Influenza	..
..	..	..	2	..	1	..	..	..	1	..	..	1	10	20	Pleurisy & Pneumonia.	..
..	1	..	9	1	1	..	..	2	4	..	2	..	60	48	Phthisis	6
..	..	..	4	4	1	..	..	2	1	..	..	13	61	49	Constitutional Syphilis	3
2	14	1	41	3	3	12	10	13	31	6	13	83	823	652	All other diseases	20
1	4	..	58	..	1	..	2	1	15	..	26	1	268	318	Accidents	5
5	34	2	216	14	26	31	28	41	96	10	49	149	1844	1517	TOTAL	47

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. EDWIN S. JOTHAM,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusions
wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	5	2	..	..	4	1	..	..	1	..	14	9
Whooping-cough	..	..	..	..	1	..	..	..	..	..	..	1	7
Scarlatina	2	4	..	1	6	3	2	3	5	8	3	37	5
Diarrhœa	19	13	3	6	6	11	9	7	*d*6	24	10	114	48
Fever	2	2	1	1	..	1	*b*6	..	*e*2	1	2	18	7
Diseases of the Lungs	6	13	8	..	2	1	1	..	5	5	3	44	43
Other causes	11	*a*15	10	*a*7	6	7	*a*15	*c*13	11	22	*a*4	121	120
TOTAL NO. OF DEATHS.	41	52	24	15	21	27	34	23	29	61	22	349	239
TOTAL NO. OF BIRTHS.	39	32	18	24	17	18	31	22	34	59	20	314	290

a 1 Inquest. *b* 2 Typhus and 2 Typhoid. *c* 1 Cholera. *d* 5 Infantile. *e* 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL.	DISEASES.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL
18	9	2	29	Small-pox	3	3	4	10
125	118	83	326	Measles	105	69	86	260
36	46	50	132	Scarlet Fever	143	143	199	485
1	1	4	6	Diphtheria	..	..	2	2
67	38	49	154	Whooping-cough	58	24	17	99
3	2	4	9	Croup	5	..	1	6
468	1217	2965	4650	Diarrhœa	247	276	1000	1523
1	..	2	3	Dysentery	11	12	28	51
..	..	..	..	Malignant Cholera	..	..	2	2
24	24	22	70	Erysipelas	19	22	22	63
7	5	4	16	Continued Fever	90	92	106	288
1	1	3	5	Typhus	143	99	98	340
1	2	3	6	Enteric or Typhoid	31	12	27	70
54	44	51	149	Febricula	205	150	162	517
..	1	1	2	Ague	2	2	3	7
74	41	43	158	Rheumatic Fever	68	45	41	154
1	..	..	1	Puerperal Fever	3	..	1	4
802	590	436	1828	Bronchitis and Catarrh	935	562	454	1951
2	3	3	8	Influenza	20	14	20	54
48	43	43	134	Pleurisy and Pneumonia	89	79	46	214
114	120	65	299	Phthisis	357	244	276	877
40	34	30	104	Constitutional Syphilis	243	180	182	605
4947	3817	3983	12747	Accidents, and all other Diseases	4569	3976	4212	12757
6834	6156	7846	20836	TOTAL	7346	6004	6989	20339

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JULY.

	Inches.	Wet Days.
Old Trafford	0·454	5
Royton	0·450	4
Eccles	0·441	5
Salford	0·399	6
Penketh	0·371	5
Wilmslow	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorogl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·824	29·872	NO RETURN.	29·872	29·871	29·819	29·828
Highest (Unreduced)	30·054	30·131		30·131	30·046	29·076	30·202
Lowest (Unreduced)	29·508	29·551		29·551	29·448	29·086	29·612
Range	0·508	0·580		0·580	0·598	0·590	0·590
Temperature.							
Adopted Mean	68·0	70·4		69·1	68·0	69·1	70·5
Range for Week	23·1	33·3		37·2	34·6	35·4	47·3
Daily Range	13·2	16·3		22·2	20·2	20·8	30·1
Maximum in Shade	73·4	89·3		91·3	86·8	89·4	96·6
Minimum in Shade	50·3	56·0		54·1	52·2	54·0	49·3
Temperature of Dew Point	59·1	54·7		52·9	56·0	53·4	55·7
Hygrometrical condition of the Atmosphere.	GRS.	GRS.		GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·732	0·578		0·557	0·656	0·567	0·596
Prevailing Winds		SE, SW		SE, WNW	S, SW	SW	SE, SW
Rain	....	0·192		0·190	0·518	0·260	0·273
Ozonometer.							
Moffat	....	....		2·85	....	....	....
Schonbein	....	....		....	6·14	4·00	3·90

August 8, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, AUGUST 15, 1868. No. 420

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 15th instant, 1765 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1431. The deaths among these cases during the week amounted to 65, being in the proportion of 1 death to every 27 cases.

Scarlatina has this week increased in prevalency, the number of cases having risen from 26 to 37. Four patients suffering from this disease were treated as in-patients of the Royal Infirmary, and one was received into the Manchester Workhouse; the rest were treated at their homes.

Measles steadily decreases, the numbers for the last three weeks respectively being 15, 14, and 9. Three of these 9 cases occurred in Manchester, 1 in Salford, 1 in Chorlton, and 4 in Ardwick.

The cases of Whooping-Cough are still few, 4 were returned for this week against 3 in the preceding one.

It is satisfactory to find a marked decrease in the cases of Diarrhœa, they have fallen from 384 in the previous week to 276 in the present one.

Bronchitis and other acute chest diseases show an increase on the previous return, the cases having risen from 103 to 122.

There is a considerable rise this week in the cases of Continued Fever; in the last return there were 91 cases, in the present one they have reached 126. Thirty-four were returned as cases of Typhus, 18 of Typhoid, and 53 of the milder forms of Fever. There is a greater increase in the cases of Typhoid Fever than in those of the other forms of the disease.

Three cases of Small-Pox occurred during the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 362 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association.

One hundred and fourteen deaths were caused by Diarrhœa, 39 by Diseases of the Lungs, 31 by Scarlatina, 24 by Fever, and 6 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 64·3°; at the Salford Observatory it was 63·1°; and at Eccles 62·4°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment Dur

	MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..
Scarlet Fever	..	..	..	a1	..	..	1	..	4	..	..	4	1	..	4	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	4	3	3	1	2	3	16	7	..	7	2	1	..	41	26	16
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	1	1	1	..	1	1	..	..	..	..	..
Continued Fever	..	1	1	..	4	..	6	..	..	..	..	..	..	6	..	..
Typhus	1	..	..	..	1	4	6	16	3	..	1	..	3	..	..	..
Enteric or Typhoid	a1	..	..	a2	..	..	3	..	3	1	..	1	..	..	2	..
Febricula	1	..	..	2	2	..	5	4	2	4	..	1	3	8	..	3
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	2	..	..	..	..	2	4	1	..	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	1	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	2	1	..	2	1	5	11	16	..	15	..	2	1	2	..	4
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Pleurisy and Pneumonia	1	..	..	..	..	..	1	2	1	..	..	1	..	..	..	..
Phthisis	..	2	..	..	1	..	3	7	..	19	..	..	5	1	1	1
Constitutional Syphilis	1	..	..	..	..	..	1	11	1	17	..	..	..	..	..	3
All other Diseases	9	6	10	12	6	16	59	104	20	159	4	7	10	113	49	4
Accidents	..	..	..	..	..	..	..	4	21	132	..	..	..	..	..	..
TOTAL	20	15	14	20	17	29	115	179	57	357	8	17	23	172	84	33

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.

(5) Mr. OCTAVIUS DEAN,
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(8) ,, C. J. CULLINGWORTH.

(9), (10), (11), (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN

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N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 15th day of August, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS.											
Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	1	..	..	..	..	..	..	..	..	..	3	..	Small-pox	1
..	..	..	1	..	..	..	..	..	1	..	4	..	9	15	Measles	..
..	3	..	11	..	1	1	3	1	3	..	..	...	37	10	Scarlet Fever.	6
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria	..
..	..	..	2	..	..	..	..	..	..	..	..	..	4	23	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
8	16	..	29	4	7	4	9	9	24	3	6	35	270	112	Diarrhœa	9
1	1	..	4	..	..	..	..	..	..	..	..	..	6	11	Dysentery	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Malignant Cholera ..	..
..	..	..	1	..	..	..	..	..	..	..	..	..	5	7	Erysipelas	..
2	..	2	6	..	..	..	..	..	..	..	..	..	22½	14	Continued Fever	2
..	1	..	..	..	..	..	1	..	..	..	1	2	34	11	Typhus	4
..	5	..	1	..	..	..	..	1	1	..	..	..	18	9	Enteric or Typhoid ..	2
..	3	..	10	..	..	2	2	1	1	..	3	..	52	24	Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
1	..	..	3	1	1	..	..	..	..	..	..	..	13	21	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Puerperal Fever.....	..
1	3	..	23	1	2	..	5	2	5	..	5	6	104	133	Bronchitis & Catarrh	3
.	..	..	2	..	..	..	..	..	..	..	..	..	4	10	Influenza	..
.	1	..	2	2	.	..	2	..	1	..	..	1	14	13	Pleurisy & Pneumonia.	1
.	..	..	13	..	1	..	1	1	1	..	1	1	56	61	Phthisis	8
.	..	..	3	3	..	..	..	2	..	..	..	2	43	49	Constitutional Syphilis	..
4	22	3	55	3	5	5	12	12	35	6	19	85	805	618	All other diseases	28
.	2	..	59	..	1	..	1	3	11	..	29	1	264	289	Accidents	..
7	57	5	226	14	18	12	36	32	83	9	68	133	1765	1431	TOTAL	65

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
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(25) Mr. EDWIN S. JOTHAM,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	2	..	..	..	..	..	..	2	..
Measles	..	3	..	..	..	1	..	..	2	..	..	6	8
Whooping-cough	..	..	..	..	..	1	..	..	..	..	..	1	10
Scarlatina	2	4	1	2	3	5	..	2	1	8	3	31	5
Diarrhœa	18	13	6	11	9	*b*11	14	3	5	20	4	114	43
Fever	1	5	9	1	1	2	1	..	*d*3	*e*1	..	24	8
Diseases of the Lungs	7	2	3	..	2	2	3	3	4	11	2	39	46
Other causes	16	18	18	3	5	15	*c*12	15	12	25	*c*6	145	103
TOTAL NO. OF DEATHS.	44	45	37	17	22	37	30	23	27	65	15	362	223
TOTAL NO. OF BIRTHS.	33	41	10	15	23	29	30	31	30	62	18	322	324

b All under 2 years. *c* 1 Inquest. *d* 2 Typhus. *e* Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161 680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL.	DISEASES.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL
18	9	2	29	Small-pox	3	3	4	10
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36	46	50	132	Scarlet Fever	143	143	199	485
1	1	4	6	Diphtheria	..	..	2	2
67	38	49	154	Whooping-cough	58	24	17	99
3	2	4	9	Croup	5	..	1	6
468	1217	2965	4650	Diarrhœa	247	276	1000	1523
1	..	2	3	Dysentery	11	12	28	51
..	..	..	..	Malignant Cholera	..	..	2	2
24	24	22	70	Erysipelas	19	22	22	63
7	5	4	16	Continued Fever	90	92	106	288
1	1	3	5	Typhus	143	99	98	340
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802	590	436	1828	Bronchitis and Catarrh	935	562	454	1951
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6834	6156	7846	20836	TOTAL	7346	6004	6989	20339

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JULY.

	Inches.	Wet Days.
Old Trafford	0·454	5
Royton	0·450	4
Eccles	0·441	5
Salford	0·399	6
Penketh	0·371	5
Wilmslow	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorogl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·754	NO RETURN.	29·754	29·759	29·753	29·745
Highest (Unreduced)		30·053		30·053	29·978	29·610	30·150
Lowest (Unreduced)		29·453		29·453	29·328	28·975	29·508
Range		0·600		0·600	0·670	0·635	0·642
Temperature.							
Adopted Mean		63·1		62·4	61·4	60·8	62·2
Range for Week		23·4		27·7	26·3	26·2	34·6
Daily Range		14·5		18·0	15·6	17·3	22·0
Maximum in Shade		75·4		75·9	73·1	76·0	77·7
Minimum in Shade		52·0		48·2	46·8	49·8	43·1
Temperature of Dew Point		51·0		50·8	50·3	51·8	53·8
Hygrometrical condition of the Atmosphere.		GRS.		GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·646		0·672	0·670	0·722	0·741
Prevailing Winds		SW, SE		WSW, ESE	SW, SE	SE	S, SE
Rain		0·769		1·089	0·934	1·235	1·243
Ozonometer.							
Moffat		....		3·33	....	....	....
Schonbein		....		....	7·11	5·60	4·90

August 15, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, AUGUST 22, 1868. No. 421

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 22nd instant, 1684 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1642. The deaths among these cases during the week amounted to 74, being in the proportion of 1 death to every 22 cases.

The returns for the present week differ but little from those of the preceding one. The cases of Measles number 11 instead of 9; 9 occurred in Manchester, 1 in Salford, and 1 in Hulme, the public practice of Chorlton and Ardwick being free from this disease.

Scarlatina remains much the same as in our last report, 36 cases being returned instead of 37; 12 cases occurred in Manchester, 13 in Salford, 10 in Hulme, 1 in Ardwick, and not one in Chorlton. Two cases of the disease were treated in the in-patient department of the Royal Infirmary and 1 at the Manchester Workhouse, the remainder being attended to at their homes.

Whooping-Cough has not been at all prevalent this year, and it is satisfactory to find that this week not a single case occurred in the public practice of Manchester and Salford.

There is a considerable improvement in the cases of Diarrhœa, the number has fallen from 276 in the preceding week to 217 in the one under notice.

Bronchitis and other acute chest diseases have increased in frequency, the cases having risen from 122 to 175.

The most unfavourable return is that of Continued Fever; the cases of this disease are very numerous, the numbers for the last three weeks respectively being 91, 126, and 125.

Not a single case of Small-Pox was observed in the public practice of Manchester and Salford during the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 396 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association; in the corresponding week of last year the number was 354.

The deaths for the week under notice exceeded the number of births by 32.

One hundred and eleven deaths were caused by Diarrhœa, 38 by Diseases of the Lungs, 34 by Scarlatina, 18 by Fever, 14 by Measles, 2 by Whooping-Cough, and 1 by Small-Pox.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 61·9°; at the Salford Observatory it was 59·7°; at Eccles 58·1°; and at the Royal Infirmary 57·1.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INS

New Cases of Disease coming under Treatment Duri

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	5	5	1	..	..	..	..	..	2	1	..
Scarlet Fever	..	1	..	..	..	2	3	1	2	..	..	1	2	1	2	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	5	1	1	..	3	2	12	9	..	10	..	..	1	22	26	8
Dysentery	..	..	..	..	1	..	1	..	..	..	..	..	..	1	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	1	..	3	..	..	..	..	..	..
Continued Fever	..	..	*b*5	*a*1	..	..	6	..	..	..	..	..	..	4	..	..
Typhus	..	*a*1	..	*a*2	..	*c*2	5	15	2	..	..	1	1	..	..	..
Enteric or Typhoid	..	*a*1	..	..	..	..	1	..	1	..	1	..	..	..	..	..
Febricula	3	.	1	..	2	3	9	1	1	7	..	..	..	2	1	2
Ague	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Rheumatic Fever	1	..	..	..	..	..	1	3	2	..	..	1	1	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..
Bronchitis and Catarrh	..	7	2	1	*a*1	6	17	11	..	40	1	3	2	3	5	5
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia	..	..	..	..	1	2	3	4	..	3	1	..	2	..	..	..
Phthisis	..	..	..	..	..	..	..	7	1	17	..	2	..	3	1	2
Constitutional Syphilis	..	..	..	..	..	..	..	9	..	..	..	..	..	1	1	3
All other Diseases	15	5	15	5	*c*2	19	61	70	12	96	9	9	13	96	40	4
Accidents	2	..	..	..	1	1	4	8	35	155	..	2	..	..	..	..
TOTAL	26	16	24	9	11	42	128	141	56	331	12	19	22	135	77	24

a Removed to Workhouse. *b* Removed to Workhouse. Mother and three children lying on some straw—no bedding—Fifth case of Fever in the cellar.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.

(9), (10), (11), (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN

(13) Mr. H. RUNCORN
(14) ,, J. FINLAYSON
(15) ,, J. OGDEN FLE
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 22nd day of August, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.			.. 646. ..		508.	.... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										DISEASES.	DEATHS.
Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Small-pox	..
..	..	..	1	..	..	1	..	..	..	..	..	..	11	10	Measles	1
2	3	..	8	..	3	..	7	..	..	..	1	...	36	5	Scarlet Fever.	4
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	22	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
0	12	..	27	6	5	3	10	8	13	1	6	22	211	234	Diarrhœa	19
.	..	..	3	..	..	..	..	..	..	..	..	1	6	2	Dysentery	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
.	..	..	1	..	2	..	..	..	..	..	..	..	7	3	Erysipelas	..
4	..	5	7	..	*a*1	..	2	..	..	..	..	..	29	17	Continued Fever	1
.	1	..	1	..	..	..	4	..	..	..	..	6	36	11	Typhus	5
.	10	..	2	..	..	..	..	*a*1	..	..	..	1	17	11	Enteric or Typhoid ..	..
.	1	..	5	..	1	..	3	2	3	..	2	3	43	19	Febricula	..
.	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Ague	..
.	..	..	2	1	..	1	..	..	..	..	..	..	12	29	Rheumatic Fever	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
4	2	..	29	3	1	4	2	3	4	..	7	8	154	141	Bronchitis & Catarrh	3
.	..	..	4	..	..	..	..	..	..	..	..	..	4	9	Influenza	..
.	..	..	3	..	.	1	..	..	..	..	..	..	17	13	Pleurisy & Pneumonia.	1
.	1	..	11	1	2	1	1	3	2	*a*1	2	11	69	60	Phthisis	8
.	1	..	4	1	1	..	..	2	..	..	..	4	27	39	Constitutional Syphilis	1
.	12	3	66	2	6	9	10	16	28	12	20	77	688	750	All other diseases	28
.	..	..	61	..	1	1	..	3	12	..	30	..	316	266	Accidents	3
.	43	8	235	14	23	21	39	38	62	14	68	133	1684	1642	TOTAL .. .	74

c 1 Removed to Workhouse. *d* 3 Removed to Workhouse.

ndebted for the annexed Returns.

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Small Pox	..	..	1	..	..	..	..	..	..	..	..	1	..
Measles	3	3	..	..	1	3	1	..	2	1	..	14	5
Whooping-cough	..	1	..	..	..	1	..	..	..	..	..	2	6
Scarlatina	3	9	1	1	3	3	4	3	3	3	1	34	7
Diarrhœa	19	14	8	4	6	7	18	1	8	16	6	107	96
Fever	1	4	3	..	*c*1	3	*d*2	..	*d*3	1	..	18	5
Diseases of the Lungs	4	8	6	2	2	1	2	1	5	6	1	38	42
Other causes	21	*a*17	*b*38	5	6	14	*e*18	13	*f*15	23	12	182	93
TOTAL NO. OF DEATHS.	51	56	57	12	19	32	45	18	36	50	20	396	354
TOTAL NO. OF BIRTHS.	50	59	21	20	12	23	36	23	35	64	21	364	331

a 1 Inquest. *b* 23 Inquests; the result of the sad accident at Lang's Music Hall. *c* Typhus. *d* Typhoid. *e* 2 Inquests. *f* 1 Carbuncle.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
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Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·784	29·796	NO RETURN.	29·796	29·780	29·778	29·791
Highest (Unreduced)	30·000	29·969		29·969	29·866	29·508	30·056
Lowest (Unreduced)	29·100	29·052		29·052	28·934	28·560	29·156
Range	0·900	0·917		0·917	0·932	0·948	0·900
Temperature.							
Adopted Mean	57·1	59·7		58·1	58·8	57·7	59·6
Range for Week	15·3	19·8		23·7	21·0	25·6	30·7
Daily Range	6·9	9·1		13·3	11·2	12·8	17·3
Maximum in Shade	67·7	73·8		73·7	71·4	74·6	77·2
Minimum in Shade	52·4	54·0		50·0	50·4	49·0	46·5
Temperature of Dew Point	52·1	52·0		50·7	51·2	51·8	51·1
Hygrometrical condition of the Atmosphere.	GRS	GRS.		GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·832	0·761		0·765	0·760	0·807	0·734
Prevailing Winds	....	NE		NE	NE, SW	NE	NE
Rain	....	0·928		1·232	1·396	0·740	1·965
Ozonometer.							
Moffat	....	....		8·00	....	....	....
Schonbein	....	....		....	6·43	4·18	2·80

August 22, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, AUGUST 29, 1868. No. 422

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 29th instant, 1694 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1633. The deaths among these cases during the week amounted to 73, being in the proportion of 1 death to every 23 cases.

The present return is a very unfavourable one.

Scarlatina, which seemed a few weeks back to be declining, has again increased in prevalency, the number of cases for the week being 55. Thirty-two cases occurred in Manchester, 11 in Salford, 7 in Hulme, 4 in Chorlton, and 1 in Ardwick.

There is this week a diminution in the cases of Measles, the number of cases having fallen from 11 to 7; 3 were treated at St. Mary's Hospital, 3 at the Salford Dispensary, and 1 at the Chorlton Workhouse.

Whooping-Cough is again this week absent from the return.

The worst feature in the return this week is the large number of cases of Continued Fever reported. Last week there were 125 cases, this week there are 152; 26 of these were cases of Typhoid Fever.

The cases of Diarrhœa and Dysentery continue to decline, the number for the three last weeks respectively being 276, 217, 188.

Bronchitis and other acute chest diseases have not been so frequent as in the preceding week, the number of cases being 160 instead of 175.

Two cases of Small-Pox occurred during the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 349 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association.

Ninety-six deaths were caused by Diarrhœa, 44 by Diseases of the Lungs, 33 by Scarlatina, 20 by Fever, and 7 by Measles.

Not a single death was caused by Whooping-Cough.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 58·1°; at the Salford Observatory it was 55·1°; and at Eccles 55·0°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INS

New Cases of Disease coming under Treatment Duri

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..
Scarlet Fever	a1	2	..	..	1	5	12	..	1	..	..	1	9	3	6	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	2	1	..	3	3	1	10	8	..	10	1	..	6	28	30	4
Dysentery	..	..	1	..	..	1	2	..	..	1	..	..	1	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	2	..	3	1	..	..	..	..	1
Continued Fever	..	..	5	b 2	..	5	12	1	..	..	..	2	..	6	..	..
Typhus	..	..	..	b 2	..	..	2	18	2	..	..	..	..	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	2	5	..	..	2	..	..	..	..
Febricula	1	.	..	3	c4	5	13	6	1	3	..	1	1	5	1	3
Ague	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	2	..	2	2	1	..	1	2	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	1	1	2	2	1	1	8	13	..	27	..	2	2	7	4	5
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Pleurisy and Pneumonia	1	..	..	..	..	1	2	4	..	3	..	..	..	..	..	..
Phthisis	..	..	..	..	..	..	..	7	..	15	1	..	2	3	..	1
Constitutional Syphilis	..	..	..	..	..	..	..	14	..	19	..	..	..	..	1	2
All other Diseases	13	4	13	4	7	9	50	58	16	159	9	4	5	102	49	3
Accidents	..	..	..	3	..	..	3	10	22	123	..	3	..	..	..	..
TOTAL	22	8	21	19	18	28	116	146	48	363	13	17	26	157	91	21

a 1 Removed to Workhouse. *b* 1 Removed to Infirmary; and 3 to Workhouse. *c* Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT.
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD.
(7) Mr. J. WESTMORELAND,
(8) , C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN
(13) Mr. H. RUNCORN
(14) ,, J. FINLAYSON
(15) ,, J. OGDEN FL
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 29th day of August, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.			.. 646. ..		508.	.... 2650.....					Area in Statute Acres.
.... 70,967.					.. 68,209. ..			..44,850.		21739	.....24,448.....					Population in 1861.
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	1	..	..	..	..	..	..	e1	..	..	..	2	..	Small-pox	..
..	..	..	3	..	..	..	..	..	..	..	..	1	7	13	Measles	..
..	..	..	11	..	2	..	5	1	2	1	..	1	55	7	Scarlet Fever.	6
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	.	..	..	..	..	..	..	..	..	..	32	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
5	7	..	21	5	3	5	6	4	9	2	3	13	180	262	Diarrhœa	20
..	..	..	3	..	..	..	..	..	..	..	..	1	8	2	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	7	6	Erysipelas	2
23	..	8	9	..	2	2	..	c1	..	..	..	..	46	11	Continued Fever	..
..	1	..	2	..	..	..	3	..	..	..	..	..	28	7	Typhus	3
..	11	..	3	..	..	..	..	c1	1	1	..	..	26	8	Enteric or Typhoid ..	3
..	..	..	4	..	2	..	4	3	3	..	2	..	52	30	Febricula	..
.	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Ague	..
..	..	..	..	..	..	..	..	..	..	1	..	..	9	26	Rheumatic Fever	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
4	2	..	37	3	1	3	1	2	4	..	4	12	141	139	Bronchitis & Catarrh	4
.	..	..	4	..	..	..	..	..	..	..	..	..	6	3	Influenza	..
.	..	..	4	..	.	..	..	..	..	..	..	..	13	22	Pleurisy & Pneumonia.	2
.	2	..	13	..	2	..	1	4	1	..	1	6	59	47	Phthisis	9
.	..	..	7	..	1	..	..	1	1	..	1	3	50	40	Constitutional Syphilis	..
4	20	3	62	4	14	6	11	24	19	4	9	79	734	668	All other diseases	21
1	..	..	68	..	1	..	2	1	9	..	27	..	270	290	Accidents	3
7	43	12	251	12	28	16	33	42	50	9	47	116	1694	1633	TOTAL	73

d 2 Removed to Workhouse. *e* Modified.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. EDWIN S. JOTHAM,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, R. P. O. GONNAN,
(28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	2	..	..	..	2	..	2	1	..	..	7	2
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	5
Scarlatina	4	6	1	1	7	2	3	4	..	5	..	33	7
Diarrhœa	15	15	6	11	10	6	9	1	2	17	4	96	99
Fever	2	1	*b*6	1	..	2	*c*4	2	..	1	*b*1	20	10
Diseases of the Lungs	6	6	5	2	..	5	6	1	6	6	1	44	47
Other causes	13	*a*20	13	6	11	*a*11	9	*a*11	16	28	11	149	105
TOTAL NO. OF DEATHS.	40	50	31	21	28	28	31	21	25	57	17	349	275
TOTAL NO. OF BIRTHS.	26	43	17	18	18	28	29	18	33	70	23	323	382

a 2 Inquests. *b* Typhus. *c* 1 Typhus and 3 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL.	DISEASES.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL
18	9	2	29	Small-pox	3	3	4	10
125	118	83	326	Measles	105	69	86	260
36	46	50	132	Scarlet Fever	143	143	199	485
1	1	4	6	Diphtheria	..	..	2	2
67	38	49	154	Whooping-cough	58	24	17	99
3	2	4	9	Croup	5	..	1	6
468	1217	2965	4650	Diarrhœa	247	276	1000	1523
1	..	2	3	Dysentery	11	12	28	51
..	..	..	..	Malignant Cholera	..	..	2	2
24	24	22	70	Erysipelas	19	22	22	63
7	5	4	16	Continued Fever	90	92	106	288
1	1	3	5	Typhus	143	99	98	340
1	2	3	6	Enteric or Typhoid	31	12	27	70
54	44	51	149	Febricula	205	150	162	517
..	1	1	2	Ague	2	2	3	7
74	41	43	158	Rheumatic Fever	68	45	41	154
1	..	..	1	Puerperal Fever	3	..	1	4
802	590	436	1828	Bronchitis and Catarrh	935	562	454	1951
2	3	3	8	Influenza	20	14	20	54
48	43	43	134	Pleurisy and Pneumonia	89	79	46	214
114	120	65	299	Phthisis	357	244	276	877
40	34	30	104	Constitutional Syphilis	243	180	182	605
4947	3817	3983	12747	Accidents, and all other Diseases	4569	3976	4212	12757
6834	6156	7846	20836	TOTAL	7346	6004	6989	20339

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JULY.	Inches.	Wet Days.
Old Trafford	0·454	5
Royton	0·450	4
Eccles	0·441	5
Salford	0·399	6
Penketh	0·371	5
Wilmslow	....	..

	Royal Infirmary, Dr. Reed.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. Vernon, Esq	Eccles, T. Mackereth Esq	Wilmslow, J. Thompson, Esq.	Royton, J. Heap, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·925	NO RETURN.	29·925	29·929	29·900	NO RETURN.
Highest (Unreduced)		30·179		30·179	30·076	29·674	
Lowest (Unreduced)		29·349		29·349	29·258	28·880	
Range		0·830		0·830	0·818	0·794	
Temperature.							
Adopted Mean		55·5		55·0	54·5	53·4	
Range for Week		15·6		18·4	18·4	21·5	
Daily Range		9·8		11·1	10·4	12·0	
Maximum in Shade		64·4		65·2	64·7	66·5	
Minimum in Shade		48·8		46·8	46·3	45·0	
Temperature of Dew Point		46·8		46·6	46·0	49·0	
Hygrometrical condition of the Atmosphere.		GRS.		GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)		0·725		0·735	0·732	0·831	
Prevailing Winds		W, SW		W	SW	W	
Rain		0·470		0·611	0·552	1·440	
Ozonometer.							
Moffat		2·14		8·57	....	....	
Schonbein		....		....	7·71	6·20	

August 29, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, SEPTEMBER 5, 1868. No. 423

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 5th instant, 1669 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1622. The deaths among these cases during the week amounted to 72, being in the proportion of 1 death to every 23 cases.

There is a slight decrease in the cases of Scarlatina, the number having fallen from 55 to 48. Thirty-five cases occurred in Manchester, 7 in Salford, 4 in Hulme, and 2 in Chorlton. The public practice of Ardwick was free from this disease during the week.

Measles continues to decline in prevalency,—5 cases are returned this week against 7 in the preceding one. Three of these occurred in the township of Manchester and 2 in Salford.

Diarrhœa and Dysentery are becoming less prevalent, the numbers for the last three weeks respectively being 217, 188, and 145. Thirty-six of the 145 cases were treated at St. Mary's Hospital, and 21 at the Clinical Hospital.

Bronchitis and other acute chest diseases have been less frequent during the week, the number being 146.

Continued Fever is becoming more and more prevalent; last week 152 cases were returned, for the present week the number is 184. Forty cases were returned as Typhus, and 30 as Typhoid Fever.

One case each of Small-Pox and Whooping-Cough occurred during the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 351 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association.

Eighty-seven deaths were caused by Diarrhœa, 48 by Diseases of the Lungs, 40 by Scarlatina, and 24 by Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 65·3°; at the Salford Observatory it was 62·3°; and at Eccles 61·8°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INS

New Cases of Disease coming under Treatment Duri

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	1	..	..	..	..	..	..	1	1	..
Scarlet Fever	2	4	..	..	1	4	11	3	6	..	2	..	4	..	9	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Diarrhœa	3	1	..	..	1	3	8	7	..	4	..	3	5	36	21	5
Dysentery	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	1	1	..	1	..	..	2	..	..
Continued Fever	..	*a*1	8	*b*6	*a*2	..	17	1	..	..	..	1	1	2	..	..
Typhus	..	..	..	..	..	*a*1	1	15	2	..	..	1	3	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	2	6	..	..	1	..	..	..	..
Febricula	2	2	1	2	..	1	8	5	1	4	..	..	3	19	1	2
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	1	..	1	5	..	4	..	1	1	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..
Bronchitis and Catarrh	2	2	..	2	..	5	11	13	..	24	1	..	8	1	4	4
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Pleurisy and Pneumonia	..	..	..	1	..	1	2	4	..	..	..	..	1	..	..	..
Phthisis	..	..	..	..	..	..	..	8	..	18	..	..	1	..	..	2
Constitutional Syphilis	..	..	..	1	..	..	1	9	..	1	..	..	..	1	2	3
All other Diseases	16	14	8	4	5	6	53	41	26	178	6	9	9	63	50	..
Accidents	..	..	..	..	..	1	1	8	17	164	..	..	..	..	1	..
TOTAL	26	24	17	16	10	22	115	123	60	398	10	16	36	125	89	18

a Removed to Workhouse. *b* 5 Removed to Workhouse. *c* 1 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN
(13) Mr. H. RUNCORN
(14) ,, J. FINLAYSON
(15) ,, J. OGDEN FLE
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 5th day of September, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.....			.. 646...		508.	.... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			..44,850.		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										DISEASES.	DEATHS.
Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	Small-pox	..
..	..	..	2	..	..	..	..	..	..	..	..	..	5	12	Measles	..
..	..	..	7	..	1	..	3	1	1	..	..	..	48	3	Scarlet Fever.	8.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	1	..	..	1	27	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	Croup	1
1	6	..	21	2	1	3	2	3	8	1	5	2	144	205	Diarrhœa	10
..	..	..	..	..	..	..	..	..	..	..	..	..	1	7	Dysentery	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	1	..	..	..	..	..	..	..	6	3	Erysipelas	..
4	..	6	9	..	..	c3	..	..	2	2	1	..	49	16	Continued Fever	..
..	1	..	..	..	..	..	1	..	..	..	..	16	40	13	Typhus	3
..	14	..	2	..	4	..	..	..	..	..	1	..	30	10	Enteric or Typhoid ..	2
..	..	..	6	..	2	1	3	..	7	..	2	1	65	28	Febricula	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	..	..	..	1	3	..	..	..	..	..	..	16	23	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
3	..	37	1	1	..	2	1	5	2	2	8	128	145	Bronchitis & Catarrh	8
..	..	5	..	..	..	..	..	..	..	..	..	..	7	7	Influenza	..
..	..	4	..	.	..	..	..	..	..	..	..	..	11	13	Pleurisy & Pneumonia.	2
2	..	13	..	1	1	..	..	2	2	5	3	60	60	Phthisis	5
..	..	7	..	..	..	..	1	..	1	1	2	29	43	Constitutional Syphilis	..
19	6	62	3	7	7	8	33	42	4	17	57	712	731	All other diseases	31
2	..	65	..	1	2	1	2	14	..	34	2	315	273	Accidents	..
47	12	240	6	20	20	20	41	81	13	68	91	1669	1622	TOTAL.....	72

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. EDWIN S. JOTHAM,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, R. P. O. GONNAN,
(28) ,, GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusions n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	1	..	..	..	..	1	..	..	..	..	..	2	4
Whooping-cough	..	..	..	..	..	..	1	..	..	..	..	1	9
Scarlatina	2	6	1	3	10	2	2	4	5	5	..	40	7
Diarrhœa	9	9	2	4	11	c13	9	2	f9	14	5	87	94
Fever	3	7	4	1	..	d1	e5	..	..	d2	1	24	10
Diseases of the Lungs	8	5	3	1	2	8	3	2	7	5	4	48	47
Other causes	25	a18	15	a7	b7	6	19	11	a11	22	8	149	135
TOTAL NO. OF DEATHS.	48	45	25	16	30	31	39	19	32	48	18	351	307
TOTAL NO. OF BIRTHS.	57	43	16	19	13	34	43	29	33	72	22	381	329

a 2 Inquests. *b* 3 Inquests: 2 cases of English Cholera. *c* 9 Infantile. *d* Typhoid. *e* 3 Typhus and 1 Typhoid. *f* 8 Infantile.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL.	DISEASES.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL
18	9	2	29	Small-pox	3	3	4	10
125	118	83	326	Measles	105	69	6	260
36	46	50	132	Scarlet Fever	143	143	199	485
1	1	4	6	Diphtheria	..	..	2	2
67	38	49	154	Whooping-cough	58	24	17	99
3	2	4	9	Croup	5	..	1	6
468	1217	2965	4650	Diarrhœa	247	276	1000	1523
1	..	2	3	Dysentery	11	12	28	51
..	..	..	..	Malignant Cholera	..	..	2	2
24	24	22	70	Erysipelas	19	22	22	63
7	5	4	16	Continued Fever	90	92	106	288
1	1	3	5	Typhus	143	99	98	340
1	2	3	6	Enteric or Typhoid	31	12	27	70
54	44	51	149	Febricula	205	150	162	517
..	1	1	2	Ague	2	2	3	7
74	41	43	158	Rheumatic Fever	68	45	41	154
1	..	..	1	Puerperal Fever	3	..	1	4
802	590	436	1828	Bronchitis and Catarrh	935	562	454	1951
2	3	3	8	Influenza	20	14	20	54
48	43	43	134	Pleurisy and Pneumonia	89	79	46	214
114	120	65	299	Phthisis	357	244	276	877
40	34	30	104	Constitutional Syphilis	243	180	182	605
4947	3817	3983	12747	Accidents, and all other Diseases	4569	3976	4212	12757
6834	6156	7846	20836	TOTAL	7346	6004	6989	20339

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN AUGUST.

	Inches.	Wet Days.
Wilmslow	3·422	17
Eccles	3·129	21
Royton	2·775	15
Salford	2·359	19
Old Trafford	....	..
Penketh	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	30·157	NO RETURN.	30·157	30·161	30·140	NO RETURN.
Highest (Unreduced)		30·243		30·243	30·140	29·784	
Lowest (Unreduced)		30·035		30·035	29·936	29·520	
Range		0·208		0·208	0·202	0·264	
Temperature.							
Adopted Mean		62·3		61·8	61·8	61·5	
Range for Week		33·8		41·1	34·2	40·0	
Daily Range		20·8		25·5	21·4	23·8	
Maximum in Shade		84·7		86·0	81·6	85·0	
Minimum in Shade		50·9		44·9	47·4	45·0	
Temperature of Dew Point		53·6		53·6	57·1	56·9	
Hygrometrical condition of the Atmosphere.		GRS.		GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)		0·735		0·750	0·846	0·850	
Prevailing Winds		W, SW		W, NW	S, SW	SW	
Rain		0·028		0·044	0·065	0·035	
Ozonometer.							
Moffat		....		1·42	....	....	
Schonbein		....		....	3·43	3·20	

September 5, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, SEPTEMBER 12, 1868. No. 424

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns still continue unsatisfactory. In the week ending on Saturday, the 12th instant, 1749 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two previous weeks the numbers were 1694 and 1669. At the same time the rate of mortality among the patients attended was unusually high, the deaths amounting to 83,—one case in every 20 terminating fatally.

The fever returns still continue heavy, no fewer than 177 persons appear to have suffered from various forms of Continued Fever. Forty-five of these cases are assigned to Typhus, and 22 to Typhoid Fever.

Scarlet Fever is another disease which is at present raging with all the virulence of an epidemic,—55 cases were seen in public practice alone, of which 11, or 1 in every 5 proved fatal.

Diarrhœa is still very prevalent, the new cases in the week amounting to 146. In the two previous weeks the numbers were 188 and 145.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

The mortality returns last week, though more favourable than in the two previous weeks, were still lamentably high,—308 deaths being registered in the eleven districts which supply returns to the Sanitary Association. Of those, 145, or nearly one half, are assigned to three disorders—Scarlet Fever, Diarrhœa, and Continued Fever, which, to a great extent, may be looked upon as preventible.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 64·0°, or 6·3° above the average; at the Royal Infirmary it was 60·9°; at the Salford Observatory it was 61·5°; and at Eccles 62·2°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INS

New Cases of Disease coming under Treatment Duri

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..
Measles	..	..	..	..	..	1	1	..	..	..	..	..	..	2	1	..
Scarlet Fever	*a*7	3	..	..	..	5	15	2	1	..	3	3	2	2	4	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	2	..	1	2	2	7	3	..	10	..	..	2	33	24	4
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	1	1	2	1	1	..	..	..	..
Continued Fever	..	*b*2	9	*b*2	*c*2	..	15	3	..	..	..	..	1	2	1	..
Typhus	..	..	..	*b*1	*b*1	*d*7	9	20	5	..	1	..	1	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	4	7	..	..	2	1	1	1	..
Febricula	1	2	2	4	..	2	11	10	..	7	1	3	4	7	4	2
Ague	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Rheumatic Fever	..	2	..	..	..	..	2	3	2	..	..	..	1	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	..	..	2	2	2	4	10	28	..	35	3	..	2	2	..	5
Influenza	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Pleurisy and Pneumonia	..	..	..	*c*2	..	..	2	6	1	..	..	..	..	..	..	..
Phthisis	..	..	..	..	..	..	..	11	1	20	..	2	2	2	1	..
Constitutional Syphilis	..	..	..	..	..	..	..	10	2	..	..	1	..	1	3	2
All other Diseases	16	10	12	5	3	10	56	58	19	145	1	5	9	84	81	5
Accidents	..	1	..	..	..	1	2	4	9	156	..	3	..	..	..	..
TOTAL	24	22	25	17	10	32	130	166	48	375	10	20	25	137	120	19

a 4 Removed to Workhouse. *b* Removed to Workhouse. *c* 1 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. W. E. RICHARDSON, ,, T. HENRY PINDER, ,, S. J. TRUEMAN
(13) Mr. H. RUNCORN
(14) ,, J. FINLAYSON
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SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 12th day of September, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.			.. 646. ..		508.	.... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	Small-pox	..
..	..	..	..	..	..	1	..	..	1	..	..	..	6	6	Measles	1
1	2	..	8	..	..	1	7	2	2	..	..	..	55	6	Scarlet Fever.	11
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	22	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
4	4	..	24	3	2	..	4	3	14	..	3	2	146	226	Diarrhœa	10
1	1	..	..	..	..	..	..	..	..	..	..	..	2	6	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	4	..	..	..	..	..	1	..	1	..	12	5	Erysipelas	..
b1	..	5	5	..	..	..	..	..	3	..	..	2	38	9	Continued Fever	..
..	2	..	2	..	..	..	b1	..	..	..	..	4	45	10	Typhus	6
..	2	..	1	..	b2	..	..	..	1	..	..	..	22	14	Enteric or Typhoid ..	7
..	4	..	6	..	1	2	1	5	2	..	2	..	72	30	Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Ague	..
..	..	..	2	..	..	..	..	..	1	..	1	..	12	23	Rheumatic Fever	2
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
4	3	..	32	2	4	3	3	5	4	..	2	5	152	134	Bronchitis & Catarrh	1
1	..	..	..	..	..	..	..	..	..	..	..	..	3	..	Influenza	..
.	..	..	4	..	.	..	..	..	1	..	..	3	17	22	Pleurisy & Pneumonia.	2
2	3	..	15	..	..	..	..	..	..	1	2	6	68	73	Phthisis	13
.	1	..	9	..	2	..	..	1	..	..	..	1	33	48	Constitutional Syphilis	..
6	30	5	79	2	6	12	11	28	36	1	19	58	766	725	All other diseases	27
1	..	..	84	1	..	..	..	3	15	..	19	..	297	253	Accidents	3
	52	10	275	8	17	19	27	47	81	2	49	81	1749	1615	TOTAL	83

d 6 Removed to Workhouse.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	1	..	..	1	5
Whooping-cough	..	..	..	..	..	1	..	..	..	..	..	1	13
Scarlatina	4	4	1	2	2	3	2	2	5	7	2	34	11
Diarrhœa	15	11	4	3	11	15	8	2	6	9	2	86	111
Fever	1	2	10	..	..	*b*1	*c*2	2	4	*b*2	*b*1	25	8
Diseases of the Lungs	7	3	6	3	1	11	3	1	3	3	1	42	49
Other causes	14	12	13	*a*6	6	*a*10	14	*a*8	10	16	10	119	133
TOTAL NO. OF DEATHS.	41	32	34	14	20	41	29	15	29	37	16	308	330
TOTAL NO. OF BIRTHS.	31	29	10	14	12	25	32	17	30	77	16	293	407

a 1 Inquest. *b* Typhoid. *c* 1 Typhus and 1 Continued.

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..	1	1	2	Ague	2	2	3	7
74	41	43	158	Rheumatic Fever	68	45	41	154
1	..	..	1	Puerperal Fever	3	..	1	4
802	590	436	1828	Bronchitis and Catarrh	935	562	454	1951
2	3	3	8	Influenza	20	14	20	54
48	43	43	134	Pleurisy and Pneumonia	89	79	46	214
114	120	65	299	Phthisis	357	244	276	877
40	34	30	104	Constitutional Syphilis	243	180	182	605
4947	3817	3983	12747	Accidents, and all other Diseases	4569	3974	4212	12757
6834	6156	7846	20836	TOTAL	7346	6004	6989	20339

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN AUGUST.	Inches.	Wet Days.
Penketh	4·174	18
Wilmslow	3·422	17
Eccles	3·129	21
Royton	2·775	15
Salford	2·359	19
Old Trafford	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea leve	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea leve	30·19	30·240	NO RETURN.	30·24	30·190	30·177	30·183
Highest (Unreduced)	30·300	30·393		30·39	30·290	29·928	30·484
Lowest (Unreduced)	29·880	29·985		29·985	29·874	29·498	30·068
Range	0·420	0·408		0·408	0·416	0·430	0·416
Temperature.							
Adopted Mean	60·9	61·5		62·2	60·6	60·5	61·5
Range for Week	18·0	34·3		41·6	38·2	44·5	49·1
Daily Range	7·2	17·2		21·2	18·9	18·6	25·3
Maximum in Shade	68·7	85·2		88·1	83·4	86·0	90·0
Minimum in Shade	50·7	50·9		46·5	45·2	41·5	40·9
Temperature of Dew Point	55·5	51·4		50·3	50·1	51·5	52·6
Hygrometrical condition of the Atmosphere.	GRS.	GRS.		GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·824	0·700		0·658	0·685	0·717	0·727
Prevailing Winds	....	SW, NE		NNE, SW	NE	NE	NE
Rain	....	0·149		0·029	0·006	0·000	0·000
Ozonometer.							
Moffat	....	....		2·42	....	....	....
Schonbein	....	....		....	6·57	2·00	2·10

September 12, 1868.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, SEPTEMBER 19, 1868. No. 425

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continue lamentably high. In the week ending on Saturday, the 19th instant, 1749 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two previous weeks the numbers were 1669 and 1749. The deaths at the same time among patients of the poorer class were very numerous, amounting to 73, or one death to every 23 cases.

Attention has for some time been directed to the increasing prevalence of Scarlet Fever. Under this column there are as yet no signs of improvement, the respective number of new cases for the three last weeks being 48, 55, and 65.

Under Continued Fever it is satisfactory to find that there is a marked decrease in the number of patients, 141 instead of 177 new cases being returned in the course of the week; 28 of these cases are assigned to Typhus and 15 to Typhoid Fever.

With the change in the weather Bronchitis and kindred affections of the chest have rapidly gained ground, the new cases rising from 172 to 240.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 308 deaths were registered in the eleven districts which supply returns to the Sanitary Association. Sixty-one of these deaths are assigned to Diarrhœa, 39 to Scarlet Fever, and 26 to Continued Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 57·1°; at the Infirmary it was 51·6°; at the Salford Observatory 53·6°; and at Eccles 52·9°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INS

New Cases of Disease coming under Treatment Durin

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..
Scarlet Fever	3	1	1	2	..	2	9	3	3	..	1	5	7	5	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	5	..	3	2	1	11	6	..	12	..	2	1	27	15	6
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	4	..	2	..	..	1	..	..	..
Continued Fever	..	..	..	*a*3	..	..	3	4	..	..	..	..	1	3	..	..
Typhus	..	..	1	..	..	*b*5	6	7	3	..	..	..	..	..	..	..
Enteric or Typhoid	..	..	..	..	..	1	1	..	2	..	..	..	..	1	2	..
Febricula	2	..	1	4	1	6	13	2	..	3	3	..	..	15	2	2
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	1	..	..	..	..	..	1	6	2	..	..	..	..	1	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	5	5	2	5	2	6	23	40	..	38	2	..	6	12	6	6
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia	2	..	..	..	..	..	2	8	..	2	1	1	..	..	1	..
Phthisis	..	..	..	..	..	..	..	11	..	23	..	3	2	3	2	..
Constitutional Syphilis	..	..	..	..	..	..	..	7	..	14	..	..	..	..	..	..
All other Diseases	6	6	11	6	2	14	43	74	22	153	1	8	11	54	75	7
Accidents	2	1	..	..	..	1	4	5	20	125	..	..	..	..	..	..
TOTAL	21	18	16	23	7	36	114	177	52	372	8	19	29	122	105	21

a 2 Removed to Workhouse. *b* Removed to Workhouse. *c* 1 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. S. J. TRUEMAN, ,, W. H. CARRUTHERS, ,, J. P. SLEIGHTHOLME,
(13) Mr. H. RUNCORN
(14) ,, J. FINLAYSON
(15) ,, J. OGDEN FLE
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 19th day of September, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
..... 1,329					.... 477.			.. 646. ..		508.	.... 2650.....				Area in Statute Acres.
..... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anccats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	Salford County Gaol. 20	St. George's. 21	Medlock. 22	St. Philip's 23	24	25	26	27	28			
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Small-pox .....
..	..	..	1	..	..	..	..	..	2	..	..	..	5	11	Measles .....
..	4	..	6	..	4	1	8	2	6	..	..	..	65	13	Scarlet Fever. .....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	17	Whooping-cough ....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....
..	3	..	16	2	3	5	1	1	3	1	1	5	121	135	Diarrhœa .....
..	2	..	..	..	..	..	..	..	..	..	..	..	2	6	Dysentery .....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..
..	..	..	2	..	..	..	..	..	1	..	..	..	10	6	Erysipelas .....
2	..	6	4	..	1	c2	b1	..	2	..	..	3	32	14	Continued Fever ....
..	4	..	1	..	..	..	b1	..	..	..	..	6	28	15	Typhus .....
..	4	..	1	..	..	..	c3	..	..	..	..	1	15	16	Enteric or Typhoid ..
..	7	..	7	..	..	1	..	1	1	4	1	3	66	22	Febricula .....
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....
.	..	..	3	..	..	4	1	..	..	..	..	..	18	18	Rheumatic Fever ....
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....
6	14	..	35	3	4	3	3	1	4	2	2	8	220	161	Bronchitis & Catarrh
.	..	..	..	..	..	..	..	..	..	..	..	..	..	3	Influenza .....
.	..	..	3	..	.	1	..	..	..	..	..	1	20	19	Pleurisy & Pneumonia.
.	8	..	12	..	..	1	1	2	1	..	1	2	72	58	Phthisis .....
.	2	..	7	2	1	..	..	..	..	..	1	3	37	52	Constitutional Syphilis
.	35	3	99	3	15	8	15	33	37	10	15	52	785	748	All other diseases ....
.	4	..	51	..	..	..	1	1	12	..	28	1	253	256	Accidents .....
.	87	9	248	10	28	26	35	41	69	17	49	85	1749	1571	TOTAL .....

DEATHS.
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73

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. EDWIN S. JOTHAM,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, R. P. O. GONNAN,
(28) ,, GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusions wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	2	..	..	..	..	2	..	..	..	..	..	4	10
Whooping-cough	..	..	..	..	..	..	1	..	..	1	..	2	12
Scarlatina	6	3	2	4	8	3	2	5	2	3	1	39	13
Diarrhœa	11	10	3	5	4	*a*7	12	2	1	3	3	61	79
Fever	4	2	10	1	..	..	*b*3	1	..	*c*4	1	26	13
Diseases of the Lungs	5	4	4	9	3	1	..	2	4	4	3	39	47
Other causes	20	23	10	11	2	5	13	7	6	35	5	137	127
TOTAL NO. OF DEATHS.	48	42	29	30	17	18	31	17	13	50	13	308	301
TOTAL NO. OF BIRTHS.	33	47	20	20	14	33	31	23	26	70	20	337	332

a Infantile. *b* 1 Typhus, 1 Typhoid, and 1 Infantile. *c* Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,815.

5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL.	DISEASES.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL
18	9	2	29	Small-pox	3	3	4	10
125	118	83	326	Measles	105	69	6	260
36	46	50	132	Scarlet Fever	143	143	199	485
1	1	4	6	Diphtheria	..	..	7	2
67	38	49	154	Whooping-cough	58	24	11	99
3	2	4	9	Croup	5	..	..	6
468	1217	2965	4650	Diarrhœa	247	276	1000	1523
1	..	2	3	Dysentery	11	12	28	51
..	..	..	..	Malignant Cholera	..	..	2	2
24	24	22	70	Erysipelas	19	22	22	63
7	5	4	16	Continued Fever	90	92	106	288
1	1	3	5	Typhus	143	99	98	340
1	2	3	6	Enteric or Typhoid	31	12	27	70
54	44	51	149	Febricula	205	150	162	517
..	1	1	2	Ague	2	2	3	7
74	41	43	158	Rheumatic Fever	68	45	41	154
1	..	..	1	Puerperal Fever	3	..	1	4
802	590	436	1828	Bronchitis and Catarrh	935	562	454	1951
2	3	3	8	Influenza	20	14	20	54
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6834	6156	7846	20836	TOTAL	7346	6004	6989	20339

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FALL OF RAIN IN AUGUST.

	Inches.	Wet Days.
Penketh	4·174	18
Wilmslow	3·422	17
Eccles	3·129	21
Royton	2·775	15
Salford	2·359	19
Old Trafford	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea level	130ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·840	29·873	29·870	29·873		29·851	29·858
Highest (Unreduced)	29·966	30·059	30·058	30·059		29·575	30·086
Lowest (Unreduced)	29·527	29·483	29·468	29·483		29·018	29·562
Range	0·439	0·576	0·590	0·576		0·557	0·524
Temperature.							
Adopted Mean	51·6	53·6	53·8	52·9	NO RETURN.	51·6	53·5
Range for Week	12·1	25·6	25·0	28·8		28·0	35·7
Daily Range	6·4	12·8	14·3	15·9		14·0	18·2
Maximum in Shade	56·8	68·9	68·0	67·5		67·0	69·7
Minimum in Shade	44·7	43·3	43·0	38·7		39·0	34·0
Temperature of Dew Point	44·8	44·3	49·0	42·7		44·6	44·8
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·777	0·705	0·840	0·685		0·772	0·724
Prevailing Winds	....	NE	NE	NE		NE	NE
Rain	....	0·302	0·320	0·402		0·525	0·315
Ozonometer.							
Moffat	....	....	0·86	2·41		....	....
Schonbein	....	....	0·00	....		2·00	1·4

September 19, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, SEPTEMBER 26, 1868. No. 426

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The public health of Manchester and Salford still remains in a very unsatisfactory state. During the week ending Saturday, September 26th, 1743 new cases of disease were reported at the different public institutions from which returns are received. In the two previous weeks the numbers were 1749, and the corresponding numbers in 1867 and 1866 were 1421 and 1487. The rate of mortality amongst these cases is still high; 73 deaths were recorded during the week, about 1 death to every 23 cases.

Scarlet Fever is still excessively prevalent and very fatal—62 cases are returned and 12 deaths from this cause in public practice alone.

Continued Fever has never been so prevalent in Manchester and Salford since the commencement of these returns—207 new cases of these diseases are reported this week and of these, 130 are returned as belonging to severe forms of these disorders. In previous years fevers of this class have generally increased in prevalence during the autumn, but have not attained this height until early spring, and there are grave reasons for fearing that unless strenuous efforts are now made to stay their progress a very large amount of sickness and mortality from this cause may be expected during the winter.

Diarrhœa is more prevalent than is usual at this time of the year; Bronchitis and other chest affections are increasing in frequency.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week the excessive number of 311 deaths were registered in the eleven districts which make returns to the Sanitary Association. Forty-nine of these deaths were caused by Scarlet Fever, 50 by Diarrhœa, and 29 by Fever. More that one-third of the total number of these deaths being produced by these causes.

The mean temperature of the air during the week at the Royal Observatory, Greenwich, was 58·4°—3·1° above the average of 50 years; at the Salford Observatory it was 56·4°; at Eccles 55·4; at Royton 54·7°; and at Penketh 55·7°.

The rainfall of the week at Salford amounted to 0·884 in., and at Eccles to 0·923 in.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment Du

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Measles	..	..	..	..	1	1	2	..	..	..	..	..	..	..	..	..
Scarlet Fever	1	2	..	..	..	3	6	3	1	..	..	1	5	5	4	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	.
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	.
Diarrhœa	..	3	..	..	..	3	6	4	..	15	..	..	3	38	15	
Dysentery	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	.
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Erysipelas	..	1	..	..	..	..	1	2	..	..	..	..	..	..	..	.
Continued Fever	*a*4	..	2	*a*6	*a*2	..	14	30	..	..	..	..	..	2	1	. 3
Typhus	..	..	..	..	*a*2	..	2	10	4	..	..	*b*2	..	..	..	. 2
Enteric or Typhoid	..	..	..	..	..	..	..	2	11	..	1	..	*c*1	..	..	.
Febricula	1	..	..	..	1	2	4	20	1	..	2	..	4	14	3	
Ague	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	.
Rheumatic Fever	..	..	..	..	..	..	..	4	..	..	1	..	..	..	..	.
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	.
Bronchitis and Catarrh	2	3	..	5	1	3	14	34	1	62	..	2	3	9	8	3
Influenza	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	.
Pleurisy and Pneumonia	..	..	..	..	..	3	3	8	..	2	..	..	..	..	2	.
Phthisis	..	..	1	..	1	1	3	14	..	23	1	3	..	6	2	
Constitutional Syphilis	..	..	..	..	..	..	..	..	1	19	1	..	..	1	1	
All other Diseases	13	5	7	3	3	8	39	84	29	153	6	10	11	65	63	16
Accidents	1	..	..	1	..	..	2	1	14	125	..	..	..	..	1	. 4
TOTAL	22	14	10	15	11	25	97	224	63	400	12	18	27	141	100	1 30

a 2 Removed to Workhouse. *b* Removed to Infirmary. *c* Removed to Workhouse.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) „ JOHN WALSH.

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) „ C. J. CULLINGWORTH.

(9) (10) (11) (12) Mr. S. J. TRUEMAN, „ W. H. CARRUTHERS, „ J. P. SLEIGHTHOLME,

(13) Mr. H. RUNCO
(14) „ J. FINLAYS
(15) „ J. OGDEN F
(16) „ J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 26th day of September, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329					477			646		508	2650				Area in Statute Acres.	
70,967					68,209			44,850		21739	24,448				Population in 1861.	
Poor Law District		Public Institutions.			Poor Law Districts											
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	Salford County Gaol. 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District. 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	Small-pox	..
..	..	..	3	..	..	..	..	3	..	..	..	..	8	7	Measles	1
..	2	..	13	..	3	..	8	..	8	..	1	2	62	16	Scarlet Fever	12
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	23	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	..
2	1	..	12	3	1	2	2	1	10	..	1	3	123	90	Diarrhœa	7
..	..	..	1	..	..	..	..	..	..	..	..	..	3	4	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
..	..	..	1	..	..	..	1	..	..	..	..	1	6	4	Erysipelas	..
3	..	7	5	..	..	*c*1	*c*1	1	*d*6	..	..	1	72	27	Continued Fever	1
2	1	..	1	..	..	..	1	2	..	..	1	6	32	26	Typhus	6
..	1	..	3	..	2	..	4	..	..	..	1	..	26	19	Enteric or Typhoid	3
..	..	..	8	..	..	1	6	..	6	2	2	2	77	28	Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Ague	..
..	..	..	2	..	1	2	..	1	1	..	1	2	15	18	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever	..
3	3	..	39	1	4	2	1	4	13	2	3	7	218	184	Bronchitis & Catarrh	2
..	..	..	3	..	..	..	..	..	..	..	..	..	9	1	Influenza	..
..	..	..	2	..	.	..	..	..	..	..	..	..	17	12	Pleurisy & Pneumonia.	1
..	2	..	11	..	..	..	1	2	3	1	2	2	77	60	Phthisis	10
..	1	..	7	..	1	..	..	2	..	..	1	4	41	36	Constitutional Syphilis	..
16	13	7	47	1	7	5	17	19	21	1	23	58	699	639	All other diseases	34
4	..	..	63	..	1	1	1	2	10	..	26	3	254	226	Accidents	5
30	24	14	221	5	20	14	43	37	78	6	62	91	1743	1421	TOTAL	82

d 3 Removed to Workhouse.

is indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. EDWIN S. JOTHAM,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, R. P. O. GONNAN,
(28) ,, GEORGE CLEMENTS.

in the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bowel.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	1	..	..	1	..	3	4
Whooping-cough	..	..	..	..	1	..	..	..	..	..	..	1	11
Scarlatina	4	7	1	6	3	4	6	7	4	6	1	49	15
Diarrhœa	10	11	4	3	3	4	9	2	..	4	..	50	63
Fever	4	2	7	2	*b*2	*c*1	*d*5	2	1	1	2	29	14
Diseases of the Lungs	8	4	7	1	3	9	3	3	1	15	1	55	63
Other causes	14	*a*9	16	1	9	4	8	12	*a*14	27	*e*10	124	132
TOTAL NO. OF DEATHS.	41	33	35	13	21	22	32	26	20	54	14	311	302
TOTAL NO. OF BIRTHS.	40	40	9	10	18	38	40	32	29	94	25	375	332

a 1 Inquest. *b* Typhus. *c* Typhoid. *d* 3 Typhus and 1 Typhoid. *e* 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL.	DISEASES.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL
18	9	2	29	Small-pox	3	3	4	10
125	118	83	326	Measles	105	69	6	260
36	46	50	132	Scarlet Fever	143	143	199	485
1	1	4	6	Diphtheria	..	..	7	2
67	38	49	154	Whooping-cough	58	24	11	99
3	2	4	9	Croup	5	..	1	6
468	1217	2965	4650	Diarrhœa	247	276	1000	1523
1	..	2	3	Dysentery	11	12	28	51
..	..	..	..	Malignant Cholera	..	..	2	2
24	24	22	70	Erysipelas	19	22	22	63
7	5	4	16	Continued Fever	90	92	106	288
1	1	3	5	Typhus	143	99	98	340
1	2	3	6	Enteric or Typhoid	31	12	27	70
54	44	51	149	Febricula	205	150	162	517
..	1	1	2	Ague	2	2	3	7
74	41	43	158	Rheumatic Fever	68	45	41	154
1	..	..	1	Puerperal Fever	3	..	1	4
802	590	436	1828	Bronchitis and Catarrh	935	562	454	1951
2	3	3	8	Influenza	20	14	20	54
48	43	43	134	Pleurisy and Pneumonia	89	79	46	214
114	120	65	299	Phthisis	357	244	276	877
40	34	30	104	Constitutional Syphilis	243	180	182	605
4947	3817	3983	12747	Accidents, and all other Diseases	4569	3976	4212	12757
6834	6156	7846	20836	TOTAL	7346	6004	6989	20339

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN AUGUST.

	Inches.	Wet Days.
Penketh	4·174	18
Wilmslow	3·422	17
Eccles	3·129	21
Royton	2·775	15
Salford	2·359	19
Old Trafford	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea level	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·659	29·659	29·659	NO RETURN.	29·647	29·647
Highest (Unreduced)		29·759	29·758	29·759		29·310	29·832
Lowest (Unreduced)		29·269	29·365	29·269		28·790	29·315
Range		0·490	0·393	0·490		0·520	0·517
Temperature.							
Adopted Mean		56·4	55·8	55·4		54·7	55·7
Range for Week		22·7	28·2	27·5		26·0	35·0
Daily Range		13·4	15·6	16·1		12·5	20·2
Maximum in Shade		69·1	71·2	69·5		69·0	73·0
Minimum in Shade		46·4	43·0	42·0		43·0	38·0
Temperature of Dew Point		48·9	51·1	49·2		49·6	49·5
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.		GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·760	0·854	0·803		0·831	0·800
Prevailing Winds		E, W	NE, SW	ESE		NE	NE, SE
Rain		0·884	0·924	0·923		0·910	1·117
Ozonometer.							
Moffat		....	1·28	2·00		....	....
Schonbein		....	0·00	....		1·0	1·9

September 26, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

Vol. VIII.] WEEK ENDING SATURDAY, OCTOBER 3, 1868. No. 427

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the the week ending on Saturday, the 3rd instant, 1810 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1470. The deaths among these patients during the week amounted to 57, being one death to every 31 cases.

Measles is not at all prevalent,—the number of cases per week has been low for many months; 6 cases are reported in the present return. One of these occurred in Manchester, 2 in Salford, and 3 in Chorlton. In the corresponding week of last year there were 27 cases.

The number of Scarlatina cases keeps very high,—59 cases are reported for the week under notice, being 3 less than in the preceding return.

There is a considerable diminution in the cases of Diarrhœa and Dysentery, 92 being returned against 126 in the preceding week.

The cases of Bronchitis and other acute chest affections are not so numerous as in the previous week,—217 cases are returned.

Fever continues very prevalent,—191 cases occurred during the week,—55 cases were assigned to Typhus, and 21 to Typhoid Fever.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 287 deaths were registered in the eleven districts which supply returns to the Sanitary Association. Sixty-one of these deaths were caused by Scarlatina, 48 by Diarrhœa, 37 by diseases of the lungs, and 27 by Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 53·7°; at the Salford Observatory it was 52·1°; at Eccles 51·9°; and at Old Trafford 50·9°.

JOHN ROBERTS, M.D., Hon. Sec.

Committee Rooms,
33, Pall Mall, Manchester.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Scarlet Fever	*a*7	2	..	..	..	1	10	2	2	..	1	*c*3	*d*1	3	3	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	6	..	..	..	3	9	4	..	7	..	..	5	28	7	3
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	3	..	..	..	..	1	..	..	..
Continued Fever	..	*b*2	11	5	*b*1	..	19	..	..	..	..	..	..	5	2	..
Typhus	..	*b*2	..	..	*b*1	4	7	20	4	..	..	..	*d*1	..	1	..
Enteric or Typhoid	..	..	..	..	..	..	..	3	4	..	..	..	*d*2	..	4	..
Febricula	3	..	..	1	..	4	8	9	..	3	..	2	5	16	3	2
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	1	..	..	..	..	..	1	4	2	1	..	1	2	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	2	4	2	2	..	6	16	39	..	25	3	5	5	1	4	4
Influenza	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	2
Pleurisy and Pneumonia	..	..	..	..	*b*1	..	1	11	1	..	..	..	..	..	1	..
Phthisis	..	1	1	3	..	1	6	10	1	21	2	2	2	2	2	1
Constitutional Syphilis	..	1	..	..	..	..	1	10	1	6	1	1	..	..	1	3
All other Diseases	17	8	17	11	6	11	70	68	20	147	5	10	14	70	68	4
Accidents	..	..	1	1	..	..	2	3	10	241	..	1	..	..	2	..
TOTAL	30	26	32	23	9	30	150	193	45	451	12	25	38	126	98	19

a 3 Removed to Workhouse. *b* Removed to Workhouse. *c* 2 Removed to Hospital.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) „ JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) „ C. J. CULLINGWORTH.
(9), (10), (11), (12) Mr. S. J. TRUEMAN, „ W. H. CARRUTHERS, „ J. P. SLEIGHTHOLME,
(13) Mr. H. RUNCORN
(14) „ J. FINLAYSON
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SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

e Week ending the 3rd day of October, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
.... 1,329					.... 477.			.. 646. ..		508.	.... 2650.....				Area in Statute Acres.
.... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.
OOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Small-pox	..
1	..	..	1	..	..	..	..	..	3	..	..	..	6	27	Measles	..
3	1	..	18	..	1	3	2	1	2	..	3	..	59	22	Scarlet Fever.	6
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	24	Whooping-cough	..
.	..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup	..
4	1	..	9	2	1	1	..	..	3	..	..	7	91	80	Diarrhœa	5
1	..	..	..	..	..	..	..	..	..	..	..	..	1	3	Dysentery	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
.	..	..	..	..	..	..	..	..	..	..	2	..	6	5	Erysipelas	..
1	..	7	4	..	..	*e*2	*b*1	..	*b*2	..	1	3	47	13	Continued Fever	1
.	..	..	1	..	..	..	*b*1	*f*6	..	..	..	14	55	12	Typhus	3
.	1	..	2	..	*b*3	..	..	..	*b*1	..	..	1	21	15	Enteric or Typhoid ..	3
.	1	..	7	..	..	..	3	3	*c*4	..	2	..	68	31	Febricula	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Ague	..
.	..	..	2	..	..	..	1	..	..	..	2	..	16	28	Rheumatic Fever	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
5	2	..	35	3	5	3	3	3	6	1	7	6	181	201	Bronchitis & Catarrh	..
	..	..	2	..	..	..	..	..	..	..	..	..	10	6	Influenza	..
	5	..	4	..	.	..	..	..	2	..	..	1	26	11	Pleurisy & Pneumonia.	..
	4	..	14	..	..	1	..	2	2	..	1	6	79	56	Phthisis	10
	..	..	5	..	..	..	..	..	..	..	..	1	30	36	Constitutional Syphilis	..
	24	2	80	4	14	4	7	15	25	6	27	50	752	658	All other diseases	24
	..	..	52	..	3	1	1	1	15	..	23	3	360	240	Accidents	5
	39	9	236	9	27	15	19	31	66	7	68	92	1810	1470	TOTAL	57

d Removed to Hospital. *e* 1 Removed to Workhouse. *f* 5 Removed to Workhouse.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
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Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	1	..	..	..	1	..
Measles	..	1	..	..	..	..	1	..	..	1	..	3	6
Whooping-cough	..	..	..	..	..	..	..	..	..	1	..	1	6
Scarlatina	10	15	3	3	2	4	3	6	7	8	..	61	13
Diarrhœa	4	7	4	6	5	5	4	4	2	2	5	48	46
Fever	1	4	*a*4	1	1	*b*2	*d*7	..	*f*5	1	1	27	17
Diseases of the Lungs	5	3	2	2	2	9	5	1	1	5	2	37	53
Other causes	12	11	21	5	6	*c*7	*e*9	6	8	19	*e*5	109	116
TOTAL NO. OF DEATHS.	32	41	34	17	16	27	29	18	23	37	13	287	257
TOTAL NO. OF BIRTHS.	36	48	13	11	13	31	30	21	31	81	24	339	265

a 2 Typhoid. *b* Typhus. *c* 3 Inquests. *d* 4 Typhoid and 2 Typhus. *e* 1 Inquest. *f* 2 Typhus and 3 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL.	DISEASES.	5 Weeks ending 30th May.	4 Weeks ending 27th June.	4 Weeks ending 25th July.	TOTAL
18	9	2	29	Small-pox	3	3	4	10
125	118	83	326	Measles	105	69	6	260
36	46	50	132	Scarlet Fever	143	143	199	485
1	1	4	6	Diphtheria	..	..	7	2
67	38	49	154	Whooping-cough	58	24	11	99
3	2	4	9	Croup	5	..	1	6
468	1217	2965	4650	Diarrhœa	247	276	1000	1523
1	..	2	3	Dysentery	11	12	28	51
..	..	..	..	Malignant Cholera	..	..	2	2
24	24	22	70	Erysipelas	19	22	22	63
7	5	4	16	Continued Fever	90	92	106	288
1	1	3	5	Typhus	143	99	98	340
1	2	3	6	Enteric or Typhoid	31	12	27	70
54	44	51	149	Febricula	205	150	162	517
..	1	1	2	Ague	2	2	3	7
74	41	43	158	Rheumatic Fever	68	45	41	154
1	..	..	1	Puerperal Fever	3	..	1	4
802	590	436	1828	Bronchitis and Catarrh	935	562	454	1951
2	3	3	8	Influenza	20	14	20	54
48	43	43	134	Pleurisy and Pneumonia	89	79	46	214
114	120	65	299	Phthisis	357	244	276	877
40	34	30	104	Constitutional Syphilis	243	180	182	605
4947	3817	3983	12747	Accidents, and all other Diseases	4569	3976	4212	12757
6834	6156	7846	20836	TOTAL	7346	6004	6989	20339

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN SEPTEMBER.

	Inches.	Wet Days.
Royton	2·180	9
Penketh	1·982	9
Wilmslow	1·264	10
Eccles	....	..
Salford	....	..
Old Trafford	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorogl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea leve	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·562	29·577	29·562	29·567	29·562	29·558
Highest (Unreduced)		30·079	30·088	30·079	29·998	29·660	30·176
Lowest (Unreduced)		29·051	29·040	29·051	28·9[illegible]0	28·590	29·104
Range		1·028	1·048	1·028	1·048	1·070	1·072
Temperature.							
Adopted Mean		52·1	50·9	51·9	50·8	50·8	51·5
Range for Week		26·4	35·3	31·0	32·4	27·5	39·2
Daily Range		11·7	16·5	14·8	19·7	15·5	17·4
Maximum in Shade		63·4	65·3	63·6	61·7	63·0	66·5
Minimum in Shade		37·0	30·0	32·6	29·3	35·5	27·3
Temperature of Dew Point		42·9	43·3	43·8	42·0	42·7	45·7
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·725	0·758	0·749	0·720	0·740	0·805
Prevailing Winds		SW, NE	S	SW, NE	S, SE	S	S, SE
Rain		0·692	0·621	0·651	0·490	0·860	0·730
Ozonometer.							
Moffat		....	4·00	2·71	....	....	....
Schonbein		....	2·86	....	5·29	3·90	4·20

October 3, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, OCTOBER 10, 1868. No. 428

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the the week ending on Saturday, the 10th instant, 1728 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding week the number was 1810. The deaths among these patients during the week amounted to 80, being in the proportion of one death to every 21 cases.

The disease return continues very unfavourable.

The slight decrease in the cases of Scarlatina reported last week is succeeded by a considerable increase, the cases having risen from 59 to 88,—10 of the cases terminated fatally. This disease appears to be pretty equally distributed among the different districts.

There is an improvement under Measles, 1 case only being reported during the week.

Small-Pox, which in the two preceding weeks numbered one case respectively, has risen to 3 cases in the week under notice.

Not a single case of Whooping-Cough has occurred in the public practice of Manchester and Salford during the two last weeks.

There is an increase upon the previous week in the cases of Continued Fever. The number of cases for the three last weeks is 207, 191 and 201;—63 of the 201 cases were assigned to Typhus and 23 to Typhoid Fever.

The cases of Diarrhœa and Dysentery have fallen from 92 to 67. The number for the corresponding week of last year was 66.

The cases of Bronchitis and other acute affections of the chest have risen from 217 to 254.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 290 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Fifty-four deaths were caused by diseases of the lungs, 48 by Scarlatina, 32 by Fever, and 30 by Diarrhœa.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 51·8°; at the Salford Observatory it was 50·1°; at Eccles 49·7°; and at Old Trafford 49·7°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment

	MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
	Poor Law Districts.							Public Institutions.								
									Royal Infirmary					Children		
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Cool 1
Small-pox	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	.
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	.
Scarlet Fever	*a*1	1	8	2	..	4	16	8	5	1	1	2	*c*2	3	3	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Diarrhœa	..	..	..	1	..	2	3	2	..	1	..	2	..	19	4	
Dysentery	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	1	..	..	1	4	..	1	..	1	..	..	..	..
Continued Fever	..	1	6	*b*7	..	..	14	6	..	..	..	..	1	..	1	
Typhus	..	*a*2	..	..	..	2	4	12	9	1	*a*1	*a*2	*d*2	1	..	
Enteric or Typhoid	..	..	..	..	..	..	..	4	4	..	*a*1	*a*1	*d*1	..	1	
Febricula	2	..	..	..	1	5	8	6	..	1	..	6	1	9	..	1
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	6	1	..	..	..	1	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	1	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	6	7	4	3	1	7	28	48	1	28	..	3	7	10	2	8
Influenza	..	..	..	..	..	..	..	7	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia	..	3	..	..	..	1	4	6	..	1	..	..	..	1	2	..
Phthisis	..	1	..	1	2	1	5	11	..	16	1	..	1	3	..	..
Constitutional Syphilis	..	1	..	..	..	1	2	6	..	12	2	..	..	1	1	..
All other Diseases	22	9	17	9	5	8	70	68	30	128	4	11	12	55	58	32
Accidents	1	1	1	..	..	..	3	5	17	135	..	..	..	..	..	1
TOTAL	32	26	36	25	9	31	159	200	68	326	10	28	28	103	72	54

a Removed to Workhouse. *b* 5 Removed to Workhouse. *c* 1 Removed to Infirmary. *d* Removed to Infirmar

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD.
(7) Mr. J. WESTMORELAND,
(8) , C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. S. J. TRUEMAN, ,, W. H. CARRUTHERS, ,, J. P. SLEIGHTHOLME,
(13) Mr. H. RUNCO
(14) ,, J. FINLAY
(15) ,, J. OGDEN F
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

the Week ending the 10th day of October, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329					477.			646.		508.	2650.				Area in Statute Acres.	
70,967.					68,209.			44,850.		21739	24,448				Population in 1861.	
Poor Law District		Public Institutions.			Poor Law Districts											
Greengate. 16	Regent Road. 17	Workhouse. 18	Dispensary. 19	Salford County Gaol. 20	St. George's. 21	Medlock. 22	St. Philip's 23	Poor Law District 24	Dispensary. 25	Poor Law District. 26	Ardwick & Ancoats Dispensary. 27	Chorlton Union Workhouse. 28	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
..	..	..	..	..	..	..	..	1	..	..	..	1	3	1	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	10	Measles	..
2	4	6	17	..	1	3	6	..	2	4	2	..	88	31	Scarlet Fever.	10
..	3	..	..	..	..	..	..	..	..	..	..	..	3	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	28	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
3	2	..	12	2	..	2	1	5	3	..	1	..	65	59	Diarrhœa	7
..	..	..	..	..	..	..	..	..	..	..	..	..	2	6	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	1	..	..	..	1	..	9	3	Erysipelas	..
*e*7	1	7	3	..	1	*g*5	2	..	*g*3	*g*2	1	2	56	13	Continued Fever	3
..	3	..	2	..	*f*3	..	..	*h*6	1	..	..	16	63	17	Typhus	7
..	4	..	3	..	..	..	3	..	..	..	..	1	23	11	Enteric or Typhoid ..	4
1	2	..	10	..	1	..	3	1	5	1	2	..	59	35	Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	..	1	..	1	1	..	..	..	..	1	..	12	26	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Puerperal Fever......	..
8	3	..	41	5	3	5	1	3	11	..	4	9	225	269	Bronchitis & Catarrh	6
..	..	..	..	..	..	..	..	..	..	..	..	..	9	8	Influenza	..
..	..	..	5	..	.	..	..	..	..	..	..	1	20	14	Pleurisy & Pneumonia.	4
..	1	..	12	..	..	..	..	2	1	..	1	1	56	64	Phthisis	4
..	..	..	7	..	..	1	..	1	1	..	..	4	40	38	Constitutional Syphilis	..
32	31	5	64	4	11	11	7	20	33	6	19	58	740	675	All other diseases	31
1	3	..	55	..	2	..	1	..	9	..	22	..	253	248	Accidents	4
54	57	18	232	11	23	28	25	39	69	13	54	93	1728	1556	TOTAL ..	80

e 6 Removed to Workhouse. *f* 2 Removed to Workhouse. *g* 1 Removed to Workhouse. *h* 4 Removed to Workhouse.

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. EDWIN S. JOTHAM,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, R. P. O. GORMAN,
(28) ,, GEORGE CLEMENTS.

n the reports of the Association, and has as far as practicable, been taken into account in the conclusions rawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	..	..	..	..	..	..	..	1	..	..	..	1	5
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	12
Scarlatina	8	1	3	3	6	6	6	5	4	5	1	48	17
Diarrhœa	4	3	1	2	4	8	3	1	2	1	1	30	36
Fever	4	1	*a*4	..	*a*1	*b*4	*c*6	2	*f*3	4	3	32	21
Diseases of the Lungs	7	6	4	1	8	6	4	1	4	9	4	54	51
Other causes	12	13	20	2	7	9	*d*21	*e*6	*d*10	18	*g*7	125	135
TOTAL NO. OF DEATHS.	35	24	32	8	26	33	40	16	23	37	16	290	278
TOTAL NO. OF BIRTHS.	39	27	22	13	18	28	32	12	35	44	18	288	295

a Typhus. *b* Typhoid. *c* 3 Typhoid. *d* 2 Inquests. *e* 1 Inquest. *f* 1 Typhus and 2 Typhoid. *g* 1 Cholera, Infantile.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,815.

4 Weeks ending 25th July.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	TOTAL.	DISEASES.	4 Weeks ending 25th July.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	TOTAL
2	3	..	5	Small-pox	4	7	4	15
83	42	43	168	Measles	86	56	24	166
50	59	57	166	Scarlet Fever	199	198	230	627
4	6	2	12	Diphtheria	2	..	..	2
49	34	23	106	Whooping-cough	17	9	2	28
4	1	..	5	Croup	1	2	2	5
2965	2773	762	6500	Diarrhœa	1000	1374	534	2908
2	1	1	4	Dysentery	28	48	8	84
..	..	..	..	Malignant Cholera	2	1	..	3
22	47	36	105	Erysipelas	22	24	34	80
4	23	9	36	Continued Fever	106	141	191	438
3	2	..	5	Typhus	98	154	145	397
3	4	2	9	Enteric or Typhoid	27	76	93	196
51	61	38	150	Febricula	162	237	280	679
1	..	1	2	Ague	3	2	2	7
43	46	38	127	Rheumatic Fever	41	48	61	150
..	1	..	1	Puerperal Fever	1	1	..	2
436	498	513	1447	Bronchitis and Catarrh	454	576	718	1748
3	5	4	12	Influenza	20	26	19	65
43	48	42	133	Pleurisy and Pneumonia	46	63	65	174
65	89	75	229	Phthisis	276	306	277	859
30	42	26	98	Constitutional Syphilis	182	235	140	557
3983	4538	3626	12147	Accidents, and all other Diseases	4212	5245	4031	13539
7846	8323	5298	21467	TOTAL	6989	8830	6910	22729

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN SEPTEMBER.	Inches.	Wet Days.
Royton	2·180	9
Penketh	1·982	9
Wilmslow	1·264	10
Eccles	....	..
Salford	....	..
Old Trafford	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorological Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington, L. W. Reynolds Esq
Height of barometer cistern above sea level	130 ft.	108 ft.	1[illegible] ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·967	29·975	29·967	29·[illegible]70	29·947	[illegible]
Highest (Unreduced)		30·095	30·[illegible]96	30·095	29·972	29·634	30·1[illegible]6
Lowest (Unreduced)		29·629	29·[illegible]08	29·629	29·[illegible]26	29·1[illegible]8	2[illegible]·705
Range		0·486	0·488	0·486	0·446	0·476	0·451
Temperature.							
Adopted Mean		50·1	49·7	49·7	48·2	48·3	50·7
Range for Week		20·4	24·0	25·2	24·[illegible]	26·0	2[illegible]·3
Daily Range		11·3	14·9	12·4	11·[illegible]	13·6	15·4
Maximum in Shade		63·3	64·0	65·5	61·[illegible]	64·0	[illegible]
Minimum in Shade		42·9	40·0	40·3	37·[illegible]	38·0	37·2
Temperature of Dew Point		44·9	44·7	45·3	44·[illegible]	43·5	45·4
Hygrometrical condition of the Atmosphere		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·830	0·839	0·860	0·852	0·835	0·821
Prevailing Winds		SW	SE, S	SW	S, SW	S	S, SW
Rain		1·149	1·070	1·089	1·109	·600	0·679
Ozonometer.							
Moffat		....	1·43	2·00	....	....	....
Schonbein		....	0·57	....	4·86	3·40	3·71

October 10, 1868.

JOHN HEAP, *Royton Oldham*

Erratum.—The mean reading of the Barometer for the week ending September 12th, at Eccles and Salford, should be 30,187 inches, instead of 30,240 inches.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, OCTOBER 17, 1868. No. 429

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the the week ending on Saturday, the 17th instant, 1558 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding two weeks the numbers were 1810 and 1728. The deaths among these patients amounted during the week to 60, being in the proportion of one death to every 25 cases.

It is satisfactory to find an improvement in the disease return.

The cases of Scarlatina have fallen from 88 to 53. This disease was more prevalent during the week in Manchester and Salford than in Hulme, Chorlton, and Ardwick. Nineteen cases were treated at the Salford Dispensary.

The improvement under Measles reported last week has not been maintained, the number of case having risen from 1 to 11.

A considerable change has occurred in the number of fever cases, last week there were 201 cases, in the present return there are 162: 49 were returned as cases of Typhus and 21 as Typhoid Fever. Thirteen Typhus Fever cases were admitted at the Chorlton Union Workhouse, 19 at the Manchester Workhouse, and 4 at the Infirmary.

The cases of Diarrhœa and Dysentery continue to diminish, the numbers for the last three weeks being 94, 67, and 47.

Though the mean temperature of the air in the week was lower than in the preceding one there was a diminution in the cases of chest diseases. The numbers for the two weeks were 254 and 247.

Not a single case of Whooping-Cough has occurred in the public practice of Manchester and Salford during the last three weeks.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 305 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Fifty-three deaths were caused by diseases of the lungs, 52 by Scarlatina, 34 by Fever, 17 by Diarrhœa, and 4 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 49·7°; at the Salford Observatory it was 48·4°; and at Eccles 47·9°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment

	MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	2	..	..	..	..	2	5	2	..	..	2	b2	4	5	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	2	..	..	..	1	3	1	..	2	..	..	2	5	6	4
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	2	2	4	..	..	1	..	1	..	..	..
Continued Fever	..	..	13	a2	a1	..	16	7	..	1	..	a1	..	2	1	..
Typhus	..	..	..	..	..	..	..	19	4	..	a1	..	b1	2	..	..
Enteric or Typhoid	..	1	..	..	..	..	1	1	1	..	a1	1	..	1	..	..
Febricula	..	1	..	1	1	2	5	..	1	..	..	1	2	8	3	..
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	1	..	1	2	8	1	..	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	1	3	1	2	1	8	16	47	2	24	2	2	5	8	9	4
Influenza	..	..	..	..	..	..	..	8	..	..	..	..	..	..	..	2
Pleurisy and Pneumonia	..	..	..	1	2	1	4	9	1	1	..	..	1	..	..	..
Phthisis	..	1	1	1	..	2	5	7	..	23	2	..	3	1	..	1
Constitutional Syphilis	..	..	..	..	..	..	..	16	..	6	..	..	..	1	1	2
All other Diseases	22	6	10	10	3	14	65	72	17	91	6	12	13	43	72	4
Accidents	2	..	3	1	1	1	8	5	14	103	..	..	4	..	..	..
TOTAL	25	16	28	19	9	34	131	209	43	251	13	19	34	76	97	17

a 1 Removed to Workhouse. *b* 1 Removed to Infirmary. *c* Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.
(9), (10), (11), (12) Mr. S. J. TRUEMAN, ,, W. H. CARRUTHERS, ,, J. P. SLEIGHTHOLME,
(13) Mr. H. RUNCORI
(14) ,, J. FINLAYSO
(15) ,, J. OGDEN FLI
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

he Week ending the 17th day of October, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.....			.. 646..		508	.... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										DISEASES.	DEATHS.
Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	Small-pox	1
..	..	..	2	..	..	..	1	..	5	1	..	..	11	12	Measles	..
1	1	4	19	..	..	..	4	..	1	..	..	1	53	29	Scarlet Fever.	4
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	26	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	Croup	..
2	1	..	8	3	2	1	..	..	2	..	1	3	46	45	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
1	..	..	..	..	..	..	..	..	..	..	..	1	10	1	Erysipelas	1
2	..	11	2	..	1	a1	..	..	1	c2	1	2	51	12	Continued Fever	..
.	1	..	1	..	..	2	..	a5	..	..	..	13	49	15	Typhus	6
.	2	..	8	..	..	..	2	1	..	..	..	2	21	24	Enteric or Typhoid ..	4
1	1	..	6	..	..	1	2	3	5	..	1	1	41	32	Febricula	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Ague	..
.	..	..	..	..	1	2	..	..	1	3	2	..	20	30	Rheumatic Fever	..
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
6	6	..	37	4	5	4	4	6	4	3	5	11	214	247	Bronchitis & Catarrh	6
2	..	..	2	..	..	..	..	..	..	..	..	..	12	8	Influenza	..
1	..	..	2	..	1	..	..	..	1	..	..	..	21	17	Pleurisy & Pneumonia.	..
1	3	..	9	..	..	..	..	..	..	1	3	6	64	66	Phthisis	8
2	..	..	3	..	..	..	..	..	..	..	..	1	30	55	Constitutional Syphilis	..
4	28	4	92	3	15	6	7	11	30	5	15	61	697	728	All other diseases	26
..	..	..	50	..	.	1	..	2	11	..	17	1	216	237	Accidents	3
17	43	19	242	10	25	18	20	28	61	15	45	103	1558	1591	TOTAL	60

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. EDWIN S. JOTHAM,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, R. P. O. GORMAN,
(28) ,, GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusions
vn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	2	..	..	..	2	..	4	8
Whooping-cough	..	..	..	..	..	..	..	..	..	..	1	1	5
Scarlatina	5	4	3	2	6	4	3	7	7	8	3	52	24
Diarrhœa	1	3	..	2	1	3	3	2	..	2	..	17	23
Fever	1	4	7	3	*b*1	*d*4	*e*5	..	4	*g*3	2	34	19
Diseases of the Lungs	5	6	8	6	1	6	1	1	9	8	2	53	61
Other causes	15	*a*18	21	1	*c*12	*c*11	*c*16	*f*11	*f*11	23	*f*5	144	125
TOTAL NO. OF DEATHS.	27	35	39	14	21	30	28	21	31	46	13	305	265
TOTAL NO. OF BIRTHS.	37	56	17	19	22	23	31	21	23	38	18	305	296

a 4 Inquests. *b* Typhus. *c* 2 Inquests. 1 *d* Typhoid. *e* 2 Typhus and 3 Typhoid. *f* 1 Inquest. *g* 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,315.

4 Weeks ending 25th July.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	TOTAL.	DISEASES.	4 Weeks ending 25th July.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	TOTAL
2	3	..	5	Small-pox	4	7	4	15
83	42	43	168	Measles	86	56	24	166
50	59	57	166	Scarlet Fever	199	198	230	627
4	6	2	12	Diphtheria	2	..	..	2
49	34	23	106	Whooping-cough	17	9	2	28
4	1	..	5	Croup	1	2	2	5
2965	2773	762	6500	Diarrhœa	1000	1374	534	2908
2	1	1	4	Dysentery	28	48	8	84
..	..	..	..	Malignant Cholera	2	1	..	3
22	47	36	105	Erysipelas	22	24	34	80
4	23	9	36	Continued Fever	106	141	191	438
3	2	..	5	Typhus	98	154	145	397
3	4	2	9	Enteric or Typhoid	27	76	93	196
51	61	38	150	Febricula	162	237	280	679
1	..	1	2	Ague	3	2	2	7
43	46	38	127	Rheumatic Fever	41	48	61	150
..	1	..	1	Puerperal Fever	1	1	..	2
436	498	513	1447	Bronchitis and Catarrh	454	576	718	1748
3	5	4	12	Influenza	20	26	19	65
43	48	42	133	Pleurisy and Pneumonia	46	63	65	174
65	89	75	229	Phthisis	276	306	277	859
30	42	26	98	Constitutional Syphilis	182	235	140	557
3983	4538	3626	12147	Accidents, and all other Diseases	4212	5246	4081	13539
7846	8323	5298	21467	TOTAL	6989	8830	6910	22729

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN SEPTEMBER.	Inches.	Wet Days.
Royton	2·180	9
Penketh	1·982	9
Wilmslow	1·264	10
Eccles	....	..
Salford	....	..
Old Trafford	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea leve	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·906	NO RETURN.	29·906	29·911	29·885	29·904
Highest (Unreduced)		30·127		30·127	30·024	29 632	30·218
Lowest (Unreduced)		29·413		29·413	29·310	28·935	29·492
Range		0·714		0·714	0·714	0·697	0·726
Temperature.							
Adopted Mean		48·4		47·9	47·3	47·1	47·0
Range for Week		22·6		30·4	26·5	29·5	31·3
Daily Range		13·0		16·3	14·7	13·0	20·2
Maximum in Shade		61·4		63·5	60·0	64·0	63·3
Minimum in Shade		38·8		33·1	33·5	34·5	32·0
Temperature of Dew Point		42·9		43·3	41·3	43·1	42·3
Hygrometrical condition of the Atmosphere.		GRS.		GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·822		0·855	0·795	0·858	0·836
Prevailing Winds		SW		W, SW	S, SW	S	S, SW
Rain		0·942		1·137	0·444	1·245	0·428
Ozonometer.							
Moffat		....		1·85	....	....	....
Schonbein		....		....	5·14	2·18	3·25

October 17, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, OCTOBER 24, 1868. No. 430

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, October the 24th, 1519 new cases of disease occurred in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1522. The deaths among these patients amounted during the week to 62, being in the proportion of one death to every 24 cases.

It is satisfactory to find that the improvement noted in the last return is maintained in the present one.

There is a slight improvement under Measles; last week 11 cases were reported against 9 in the present return. Six of the cases occurred in Manchester, 2 in Chorlton, and 1 in Ardwick.

Scarlatina continues to decline, the numbers for the last three weeks being 88, 53, and 41; in the corresponding week of last year the number was 31. This disease seems to be equally prevalent in the several districts.

Whooping-Cough has reappeared in the public practice of Manchester and Salford, 2 cases are reported for the week under notice.

There is very little difference between the fever returns in this and the previous report. In the present week the number of cases amounted to 165, against 162 in the preceding. Thirty-nine cases are set down to Continued Fever, 56 to Typhus, 25 to Typhoid Fever, and 45 to Febricula. Nineteen of the Typhus Fever cases were treated at the Chorlton Union Workhouse, 15 at the Manchester Workhouse, and 4 at the Royal Infirmary.

There is a very slight diminution in the cases of Diarrhœa and Dysentery, the numbers for the two last weeks being 47 and 44.

The mean temperature of the week was 7·2 lower than that of the preceding week; and, at the same time, the cases of acute chest disease have risen from 247 to 282.

Small-pox did not occur in the public practice of Manchester and Salford during the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 293 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Seventy-six deaths occurred from diseases of the lungs, 51 from Scarlatina, 22 from Fever, 18 from Diarrhœa, and 1 each from Whooping-Cough and Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 42·6°; at the Salford Observatory it was 41·6°; and at Eccles it was 41·2°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment I

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	2	3	1	..	..
Scarlet Fever	..	1	..	..	5	1	7	..	..	..	..	..	..	1	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	1	..	..	..	1	..	2	1	..	3	..	..	..	10	3	3
Dysentery	..	..	..	..	..	1	1	..	..	..	..	1	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	4	..	1	..	..	..	..	..	..
Continued Fever	..	..	2	1	..	1	4	3	..	..	..	..	..	..	7	1
Typhus	..	..	..	..	..	1	1	15	4	..	a1	..	2	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	1	5	..	..	a1	..	1	1	..
Febricula	2	..	1	3	..	3	9	..	1	..	..	..	3	9	2	..
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	6	2	..	..	1	1	..	1	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	3	5	4	5	2	6	25	64	4	30	1	3	1	2	9	4
Influenza	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia	..	1	..	..	..	..	1	9	1	2	..	..	1	..	..	..
Phthisis	..	..	1	..	..	..	1	11	..	21	..	1	4	2	..	..
Constitutional Syphilis	..	..	..	1	..	1	2	11	..	9	...	..	1	..	3	3
All other Diseases	16	7	6	5	2	8	44	75	16	97	2	16	18	50	62	4
Accidents	2	..	1	2	..	..	5	4	21	115	2	..	2	..	..	..
TOTAL	24	14	15	17	10	24	104	210	54	278	6	25	36	76	89	15

a Removed to Infirmary. *b* 6 Removed to Workhouse. *c* 7 Removed to Workhouse. *d* Removed to Workho

Medical Officers to whom the Association

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(2) „ J. BROADBENT,
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TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

e Week ending the 24th day of October, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
..... 1,329					.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.	
..... 70,967.					.. 68,209. ..			..44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Small-pox	1
..	..	..	..	..	..	..	..	1	1	..	1	..	9	14	Measles	..
1	..	1	12	..	5	..	9	..	4	..	..	..	41	31	Scarlet Fever.	8
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	24	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
..	..	..	6	..	1	2	..	..	5	..	1	4	41	41	Diarrhœa	..
..	..	..	..	..	..	..	..	..	1	..	..	..	3	1	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	1	..	..	1	..	..	..	..	..	..	7	6	Erysipelas	..
1	..	3	3	..	..	*b*9	2	..	*d*2	..	1	3	39	17	Continued Fever	..
..	..	..	2	..	1	..	1	*c*8	*d*1	..	1	19	56	23	Typhus	8
..	4	..	4	..	2	..	3	..	..	*d*1	..	2	25	15	Enteric or Typhoid ..	4
..	..	..	7	1	1	..	2	3	3	..	3	1	45	32	Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
1	..	..	..	..	..	2	1	1	..	..	2	..	18	33	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
9	4	..	45	5	2	3	9	8	13	4	4	7	256	245	Bronchitis & Catarrh	4
..	..	..	..	..	..	..	..	..	..	..	..	..	6	9	Influenza	..
..	..	..	3	..	..	1	..	..	..	..	2	..	20	15	Pleurisy & Pneumonia.	1
..	1	..	11	..	1	..	..	..	1	..	..	3	57	69	Phthisis	7
1	1	..	4	..	..	..	..	..	..	..	..	3	38	47	Constitutional Syphilis	..
14	19	11	70	2	6	8	15	15	17	8	13	45	627	674	All other diseases	26
1	..	..	45	..	.	1	1	1	11	1	14	5	229	225	Accidents	3
28	29	15	213	8	19	27	43	37	59	14	42	92	1519	1522	TOTAL	62

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
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(25) Mr. EDWIN S. JOTHAM,
(26) ,, J.V.L. WESTMACOTT,
(27) ,, R. P. O. GORMAN,
(28) ,, GEORGE CLEMENTS.

n the reports of the Association, and has as far as practicable, been taken into account in the conclusions rawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	1	..	..	..	..	..	..	..	1	3
Whooping-cough	..	..	..	..	..	..	..	..	..	1	..	1	11
Scarlatina	8	11	..	1	2	7	7	3	3	5	4	51	16
Diarrhœa	5	3	..	1	2	3	3	1	..	..	..	18	21
Fever	..	1	5	2	2	1	*b*6	1	*d*2	..	*g*2	22	10
Diseases of the Lungs	13	10	12	2	6	8	3	4	9	6	3	76	71
Other causes	8	*a*15	6	5	9	6	*c*19	*c*8	*c*13	*f*24	11	124	106
TOTAL NO. OF DEATHS.	34	40	23	12	21	25	38	17	27	36	20	293	238
TOTAL NO. OF BIRTHS.	37	53	30	10	9	19	34	13	27	43	28	303	342

a 2 Inquests. *b* 3 Typhoid and 1 Typhus. *c* 1 Inquest. *d* Typhus. *e* 3 Inquests. *f* An adult Female: from [opium eating. *g* 1 Gastric and 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,815.

4 Weeks ending 25th July.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	TOTAL.	DISEASES.	4 Weeks ending 25th July.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	TOTAL
2	3	..	5	Small-pox	4	7	4	15
83	42	43	168	Measles	86	56	24	166
50	59	57	166	Scarlet Fever	199	198	230	627
4	6	2	12	Diphtheria	17	..	..	2
49	34	23	106	Whooping-cough	1	9	2	28
4	1	..	5	Croup	2	2	2	5
2965	2773	762	6500	Diarrhœa	1000	1374	534	2908
2	1	1	4	Dysentery	28	48	8	84
..	..	..	..	Malignant Cholera	2	1	..	3
22	47	36	105	Erysipelas	22	24	34	80
4	23	9	36	Continued Fever	106	141	191	438
3	2	..	5	Typhus	98	154	145	397
3	4	2	9	Enteric or Typhoid	27	76	93	196
51	61	38	150	Febricula	162	237	280	679
1	..	1	2	Ague	3	2	2	7
43	46	38	127	Rheumatic Fever	41	48	61	150
..	1	..	1	Puerperal Fever	1	1	..	2
436	498	513	1447	Bronchitis and Catarrh	454	576	718	1748
3	5	4	12	Influenza	20	26	19	65
43	48	42	133	Pleurisy and Pneumonia	46	63	65	174
65	89	75	229	Phthisis	276	306	277	859
30	42	26	98	Constitutional Syphilis	182	235	140	557
3983	4538	3626	12147	Accidents, and all other Diseases	4212	5246	4081	13539
7846	8323	5298	21467	TOTAL	6989	8830	6910	22729

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN SEPTEMBER.

	Inches.	Wet Days.
Royton	2·180	9
Penketh	1·982	9
Wilmslow	1·264	10
Eccles	....	..
Salford	....	..
Old Trafford	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea leve	130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·760	NO RETURN.	29·760	29·743	29·742	29·758
Highest (Unreduced)		29·887		29·887	29·786	29·413	29·990
Lowest (Unreduced)		29·313		29·313	29·170	28·812	29·336
Range		0·574		0·574	0·616	0·601	0·654
Temperature.							
Adopted Mean		41·6		41·2	40·0	40·5	42·3
Range for Week		26·4		31·5	31·8	28·0	35·6
Daily Range		12·2		14·5	14·0	14·5	17·1
Maximum in Shade		58·4		59·5	59·1	55·0	60·8
Minimum in Shade		32·0		28·0	27·3	27·0	25·2
Temperature of Dew Point		37·5		38·0	35·6	36·4	37·6
Hygrometrical condition of the Atmosphere.		GRS.		GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·868		0·888	0·842	0·853	0·833
Prevailing Winds		W, S		WNW, SSW	S, SW	SW	W, NW
Rain		1·258		1·125	1·436	1·660	1·297
Ozonometer.							
Moffat		....		3·42	....	....	....
Schonbein		....		....	5·71	2·70	3·80

October 24, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, OCTOBER 31, 1868. No. 431

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 31st of October, 1614 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1450. The deaths during the week amounted to 53, being in the proportion of one death to every 30 cases.

Measles continues to decline,—the numbers for the last three weeks are 11, 9, and 5; in the corresponding week of last year the number was 8.

There is a slight increase this week in the cases of Scarlatina, 44 being returned against 41 in the preceding return. Thirteen cases occurred in Manchester, 17 in Salford, 8 in Hulme, 5 in Chorlton, and 1 in Ardwick.

The return on Continued Fever is higher than in the previous week, 173 cases being reported instead of 165. Fifty-five of the cases were attributed to Continued Fever, 45 to Typhus, 18 to Typhoid Fever, and 55 to Febricula. Ten of the Typhus cases were treated at the Manchester Workhouse, 15 at the Chorlton Union Workhouse, and 4 at the Infirmary.

The cases of acute chest diseases have risen from 282 to 303. In the corresponding week of last year the number was 229.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 253 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Fifty-one deaths were caused by diseases of the lungs, 46 by Scarlatina, 31 by Fever, and 10 by Diarrhœa.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46·8°; at the Salford Observatory it was 46·7°; at Eccles 45·8°; and at Old Trafford 45·3°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment D

	MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
DISEASES.	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	..	..	2	..	..	..	..	*a*1	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..
Scarlet Fever	..	1	..	1	..	5	7	1	1	1	1	1	..	..	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	1	1	..	..	..	..	..	..	.	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Diarrhœa	1	1	1	..	*b*3	1	7	3	..	4	1	..	..	6	4	4
Dysentery	..	..	..	..	..	1	1	..	..	2	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	1	.	..	*a*1	..	..	2	4	..	..	..	..	..	..	..	..
Continued Fever	..	..	10	*a*2	*a*1	..	13	4	..	..	..	*a*1	..	..	3	..
Typhus	..	*a*1	..	..	..	..	1	10	4	..	*c*3	*a*1	*c*1	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Febricula	..	..	..	1	..	7	8	6	..	3	..	2	2	10	2	3
Ague	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	1	..	1	6	..	..	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	1	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	3	13	2	3	1	5	27	80	..	30	..	4	1	7	6	4
Influenza	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	2
Pleurisy and Pneumonia	..	1	..	..	..	..	1	28	..	..	..	..	1	..	..	..
Phthisis	..	1	..	..	..	..	1	11	..	16	..	2	4	5	1	1
Constitutional Syphilis	..	..	..	..	..	2	2	19	..	8	1	..	..	..	..	4
All other Diseases	18	8	17	6	2	10	61	78	21	124	5	3	13	59	53	..
Accidents	3	1	1	..	..	1	6	8	14	88	..	..	3	..	..	..
TOTAL	26	27	31	14	8	33	139	268	42	276	11	14	27	89	72	18

a Removed to Workhouse. *b* 1 Removed to Workhouse. *c* Removed to Infirmary.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. S. J. TRUEMAN, ,, W. H. CARRUTHERS, ,, J. P. SLEIGHTHOLME,
(13) Mr. H. RUNCORN
(14) ,, J. FINLAYSON
(15) ,, J. OGDEN FLET
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 31st day of October, 1868.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329				477			646		508	2650				Area in Statute Acres.	
70,967				68,209			44,850		21739	24,448				Population in 1861.	
Poor Law District	Public Institutions.			Poor Law Districts			Poor Law District.		Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.							
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	3	..	Small-pox	..
..	..	1	..	..	..	..	..	2	..	..	..	5	8	Measles	..
1	3	13	..	2	1	5	1	4	..	1	..	44	23	Scarlet Fever	5
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	1	21	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	..
..	..	5	2	..	..	2	..	3	..	..	4	47	27	Diarrhœa	2
..	..	..	..	..	..	..	..	1	..	..	..	4	3	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
..	..	1	..	..	..	..	..	..	..	1	1	9	5	Erysipelas	..
..	12	6	..	..	*d*4	3	..	1	1	1	2	55	23	Continued Fever	1
..	..	1	..	*a*3	..	2	*d*4	..	..	..	15	45	13	Typhus	11
8	..	3	..	..	..	2	1	..	..	..	..	18	13	Enteric or Typhoid	1
..	..	2	..	2	1	3	6	4	..	1	..	55	23	Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Ague	..
..	..	3	..	2	1	..	..	..	1	1	1	16	30	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Puerperal Fever	..
6	..	40	2	6	3	7	1	11	2	4	6	256	210	Bronchitis & Catarrh	5
..	..	2	..	..	..	..	..	..	..	..	..	10	6	Influenza	..
..	..	5	1	..	..	..	..	..	..	..	1	37	13	Pleurisy & Pneumonia.	1
3	..	9	..	1	..	..	1	2	1	2	..	62	50	Phthisis	3
1	..	6	..	..	..	..	2	..	..	1	1	45	36	Constitutional Syphilis	..
38	5	64	4	5	10	14	20	34	5	11	58	699	720	All other diseases	23
..	..	44	..	.	2	..	3	11	..	20	1	200	226	Accidents	1
57	20	205	9	21	22	38	39	73	10	43	90	1614	1450	TOTAL	53

d 2 Removed to Workhouse.

ndebted for the annexed Returns.

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Small Pox	..	..	..	1	..	..	..	..	..	..	..	1	..
Measles	..	..	..	..	1	..	..	..	1	..	..	2	5
Whooping-cough	..	1	..	..	..	..	..	..	..	..	..	1	16
Scarlatina	8	4	2	3	8	3	2	7	2	6	1	46	30
Diarrhœa	..	2	..	1	1	2	2	1	..	1	..	10	13
Fever	6	6	7	3	1	*d*1	*e*3	..	*d*1	*e*1	2	31	24
Diseases of the Lungs	7	8	7	4	1	11	..	..	5	6	2	51	65
Other causes	18	14	*a*14	*b*5	*c*5	2	9	*a*10	7	18	*a*9	111	142
TOTAL NO. OF DEATHS.	39	35	30	17	17	19	16	18	16	32	14	253	295
TOTAL NO. OF BIRTHS.	38	33	20	17	15	31	25	23	31	39	11	283	332

a 2 Inquests. *b* 1 Inquest. *c* 3 Inquests. *d* Typhus. *e* Typhoid.

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	Inches.	Wet Days.
Royton	6·490	24
Wilmslow	4·791	25
Old Trafford	4·501	24
Penketh	3·953	24
Eccles	....	..
Salford	....	..

	Royal Infirmary, Dr. REED.	Salford Meteorogl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
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Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·970	29·967	29·970	29·975	29·962	29·973
Highest (Unreduced)		30·243	30·242	30·243	30·146	29·745	30·335
Lowest (Unreduced)		29·587	29·570	29·587	29·480	29·110	29·668
Range		0·656	0·672	0·656	0·666	0·635	0·667
Temperature.							
Adopted Mean		46·7	45·3	45·8	45·6	43·3	46·9
Range for Week		18·4	22·0	22·4	18·7	20·0	25·9
Daily Range		9·9	13·4	11·1	9·2	11·1	10·7
Maximum in Shade		58·4	58·0	58·0	56·8	56·0	59·5
Minimum in Shade		40·0	36·0	35·6	38·1	36·0	33·6
Temperature of Dew Point		41·4	39·9	41·0	39·8	40·4	40·3
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·825	0·818	0·843	0·800	0·896	0·777
Prevailing Winds		SW	SW	WNW, SW	SW	SW	SW
Rain		1·285	1·409	1·332	1·624	1·940	1·339
Ozonometer.							
Moffat		....	5·00	5·14	....	....	....
Schonbein		....	3·00	....	7·57	2·80	5·80

October 31, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, NOVEMBER 7, 1868. No. 432

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 7th instant, 1528 new cases of disease and accidents were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1545. The deaths during the week amounted to 63, being at the rate of one death to every 22 cases.

There is no great change upon the return of the preceding week.

Measles remains very much the same, 6 cases are returned for the week under notice, being one more than in the week preceding. The 6 cases occurred in Manchester; the public practice of Salford, Hulme, Chorlton and Ardwick, being free from this disease.

The cases of Scarlatina have risen from 44 to 47, 23 of these occurred in Manchester, 16 in Salford, 3 in Hulme, and 5 in Chorlton. There were 7 deaths from this disease during the week in the public practice of Manchester and Salford.

There is a slight improvement in the Fever return, 166 cases having occurred instead of 173; 47 cases were returned as Typhus Fever, 42 as Continued Fever, 22 as Typhoid Fever, and 55 as Febricula. Twenty of the Typhus Fever cases were treated at the Manchester Workhouse, 9 at the Chorlton Workhouse, and 8 as in-patients at the Royal Infirmary.

There is a decrease in the cases of Bronchitis and other acute chest affections, 283 cases being returned instead of 303.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 228 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Fifty-one deaths were caused by diseases of the lungs, 38 by Scarlatina, 24 by Fever, and 9 by Diarrhœa.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 43·9°; at the Salford Observatory it was 44·6°; at Eccles 45·4°; and at Old Trafford 43·1°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol 1
Small-pox	..	..	..	..	..	..	..	3	..	1	..	..	..	..	..	.
Measles	..	..	..	..	..	1	1	..	..	..	..	1	2	1	1	.
Scarlet Fever	a4	1	..	..	1	5	11	1	2	..	..	2	3	3	1	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Diarrhœa	3	..	..	..	1	..	4	1	..	5	..	..	..	12	2	.
Dysentery	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	.
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Erysipelas	..	.	..	1	..	..	1	2	1	..	..	..	..	..	..	.
Continued Fever	..	..	9	1	1	..	11	4	..	..	..	b1	..	2	..	.
Typhus	..	..	..	b1	..	..	1	20	8	..	b3	c3	..	..	..	.
Enteric or Typhoid	..	..	..	..	..	..	..	2	6	..	..	..	..	..	..	.
Febricula	1	..	..	3	1	4	9	..	..	..	..	4	3	7	3	.
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Rheumatic Fever	..	..	..	..	b1	..	1	4	2	..	2	..	1	..	..	.
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	.
Bronchitis and Catarrh	7	5	3	5	4	4	28	58	1	25	1	2	6	6	6	8
Influenza	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	.
Pleurisy and Pneumonia	..	1	..	..	..	3	4	10	..	3	..	..	..	..	1	.
Phthisis	..	1	..	1	1	1	4	14	..	15	1	..	3	1	..	.
Constitutional Syphilis	1	..	..	..	..	..	1	12	..	19	1	..	2	..	..	.
All other Diseases	13	9	12	7	1	5	47	89	13	81	6	6	7	43	58	12
Accidents	2	..	1	..	..	..	3	4	14	97	1	..	1	..	..	.
TOTAL	31	17	25	19	11	23	126	231	47	246	16	19	28	75	72	1

a 2 Removed to Workhouse. *b* Removed to Workhouse. *c* 1 Removed to Workhouse, and 2 to Infirmary.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) „ JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. E. MAUNDRELL,
(8) „ C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. S. J. TRUEMAN, „ W. H. CARRUTHERS, „ J. P. SLEIGHTHOLME,
(13) Mr. H. RUNCO
(14) „ J. FINLAYS
(15) „ J. OGDEN F.
(16) „ J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

e Week ending the 7th day of November, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329					477			646		508	2650				Area in Statute Acres.	
70,967					68,209			44,850		21739	24,448				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	4	2	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	6	12	Measles	..
..	1	1	14	..	1	.	2	4	1	..	..	..	47	25	Scarlet Fever	7
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	29	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
2	2	..	4	2	..	..	..	..	1	..	4	2	44	36	Diarrhœa	2
..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
..	..	..	1	..	..	..	..	..	1	..	..	..	6	1	Erysipelas	1
*b*4	..	9	4	..	..	*d*2	2	..	1	..	..	2	42	15	Continued Fever	1
..	..	..	..	..	*b*2	..	1	..	..	..	..	9	47	14	Typhus	12
..	9	..	3	..	..	..	1	..	1	..	..	..	22	6	Enteric or Typhoid	1
..	1	..	10	..	1	3	3	2	1	..	3	2	55	21	Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	..	..	..	..	2	..	..	..	..	4	..	16	40	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever	..
8	3	..	44	2	5	5	7	6	7	3	3	12	243	257	Bronchitis & Catarrh	5
..	..	..	2	..	..	..	..	..	..	..	..	..	10	7	Influenza	..
..	..	..	2	2	1	1	2	..	..	..	1	3	30	13	Pleurisy & Pneumonia.	..
..	3	..	14	1	2	..	..	..	1	..	2	3	65	71	Phthisis	7
..	1	..	8	..	..	..	..	..	..	1	1	3	51	41	Constitutional Syphilis	..
12	25	1	85	3	8	8	7	24	24	8	8	52	617	707	All other diseases	18
2	1	..	68	..	1	1	..	..	10	..	16	2	221	245	Accidents	8
28	46	11	259	10	21	22	25	36	48	12	42	90	1528	1545	TOTAL	63

d 1 Removed to Workhouse.

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. W. C. BARNISH,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, R. P. O. GORMAN,
(28) ,, GEORGE CLEMENTS.

n the reports of the Association, and has as far as practicable, been taken into account in the conclusions rawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	1	1	..
Measles	2	..	..	..	..	..	..	..	..	1	..	3	4
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	12
Scarlatina	7	3	..	1	1	1	7	4	4	8	2	38	20
Diarrhœa	1	2	..	..	2	..	2	..	..	2	..	9	9
Fever	..	2	*b*9	3	*c*1	..	*e*2	..	*g*1	*h*4	*c*2	24	13
Diseases of the Lungs	6	3	8	3	3	6	5	2	1	13	1	51	78
Other causes	9	*a*9	15	5	4	*d*8	*f*14	*d*10	*d*11	12	5	102	97
TOTAL NO. OF DEATHS.	25	19	32	12	11	15	30	16	17	40	11	228	233
TOTAL NO. OF BIRTHS.	37	36	14	7	15	36	33	21	30	61	19	311	303

a 1 Inquest. *b* 8 Typhus and 1 Scarlet. *c* Typhoid. *d* 2 Inquests. *e* 1 Typhus and 1 Typhoid. *f* 3 Inquests. *g* Typhus. *h* 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,815.

4 Weeks ending 25th July.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	TOTAL.	DISEASES.	4 Weeks ending 25th July.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	TOTAL
2	3	..	5	Small-pox	4	7	4	15
83	42	43	168	Measles	86	56	24	166
50	59	57	166	Scarlet Fever	199	198	230	627
4	6	2	12	Diphtheria	17	..	..	2
49	34	23	106	Whooping-cough	1	9	2	28
4	1	..	5	Croup	00	2	2	5
2965	2773	762	6500	Diarrhœa	1028	1374	534	2908
2	1	1	4	Dysentery	2	48	8	84
..	..	..	..	Malignant Cholera	22	1	..	3
22	47	36	105	Erysipelas	06	24	34	80
4	23	9	36	Continued Fever	198	141	191	438
3	2	..	5	Typhus	27	154	145	397
3	4	2	9	Enteric or Typhoid	62	76	93	196
51	61	38	150	Febricula	1	237	280	679
1	..	1	2	Ague	3	2	2	7
43	46	38	127	Rheumatic Fever	41	48	61	150
..	1	..	1	Puerperal Fever	1	1	..	2
436	498	513	1447	Bronchitis and Catarrh	454	576	718	1748
3	5	4	12	Influenza	20	26	19	65
43	48	42	133	Pleurisy and Pneumonia	46	63	65	174
65	89	75	229	Phthisis	276	306	277	859
30	42	26	98	Constitutional Syphilis	182	235	140	557
3983	4538	3626	12147	Accidents, and all other Diseases	4212	5246	4081	13539
7846	8323	5298	21467	TOTAL	6989	8830	6910	22729

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN OCTOBER.

	Inches.	Wet Days.
Royton	6·490	24
Wilmslow	4·791	25
Salford	4·770	26
Old Trafford	4·501	24
Penketh	3·953	24
Eccles	4·998	26

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea leve	130 ft.	108 ft.	145 ft.	145 ft.	251 ft.	544 ft.	43 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·818	29·818	29·818	29·834	29·836	29·831
Highest (Unreduced)		29.989	30·018	29.989	29·913	29·550	30·102
Lowest (Unreduced)		29·381	29·384	29·381	29·288	28·912	29·474
Range		0·608	0·634	0·608	0·625	0·638	0·628
Temperature.							
Adopted Mean		44·6	43·1	43·4	42·1	41·8	44·2
Range for Week		36·9	32·2	41·2	38·8	36·7	38·0
Daily Range		7·7	10 7	10·4	9·5	10·7	10·0
Maximum in Shade		63·9	58·7	64·7	61·1	61·0	63·0
Minimum in Shade		27·0	26·5	23·5	22·3	24·3	25·0
Temperature of Dew Point		38·5	39·8	38·8	38·3	38·5	39·6
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·780	0·889	0·836	0·854	0·879	0·838
Prevailing Winds		WSW	SW	WNW	SW	....	SW
Rain		1·408	1·038	1·464	0·769	1·195	0·937
Ozonometer.							
Moffat		0·71	2·57	5·28	....	....	....
Schonbein		....	0·57	....	4·28	3·60	6·0

November 7, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, NOVEMBER 14, 1868. No. 433

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 14th instant, 1657 new cases of disease and accidents were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1517. The deaths during the week amounted to 66, being at the rate of one death to every 26 cases.

Last week 6 cases of Measles were returned, all of which occurred in Manchester; this week the number has risen to 10, which were thus distributed, 5 occurred in Manchester, 2 in Salford, 2 in Hulme, and 1 in Chorlton.

There is no improvement under Scarlatina, the cases having fallen from 47 to 38, 13 of these occurred in Manchester, 14 in Salford, 10 in Hulme, and 1 in Ardwick.

The Fever return is very unfavourable, 204 cases are reported for this week; a number higher than in any week since that ending on the 26th of September; 63 cases are assigned to Continued Fever, 62 to Typhus, 18 to Typhoid Fever, and 61 to Febricula. Twenty-four of the Typhus cases were treated in the Manchester Workhouse, 10 in the Infirmary, and 9 in the Chorlton Workhouse.

Diarrhœa and Dysentery seem to be decreasing, the numbers for the three last weeks being 51, 46, 32.

Acute chest affections, are on the increase—320 cases are returned, in the corresponding week of last year the number was 302.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 259 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Fifty-five deaths were caused by diseases of the lungs, 44 by Scarlatina, 21 by Fever, and 10 by Diarrhœa.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 40·7°; at the Salford Observatory it was 41·3°; at Eccles 39·8°; and at Old Trafford 38·6°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....
Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	1	..	..	1	2	1	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	2	2	..	1	..
Scarlet Fever	..	..	..	1	2	3	6	..	2	..	..	..	1	1	3	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
Diarrhœa	..	1	..	..	..	..	1	2	..	3	..	..	..	5	2	3
Dysentery	..	..	..	1	..	..	1	1	..	1	..	..	..	..	..	1
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	4	1	..	..	1	..	..	..	..
Continued Fever	*a*7	..	3	*c*3	..	..	13	6	..	..	..	..	..	1	2	..
Typhus	..	*b*1	..	..	*b*2	6	9	24	10	..	*d*2	..	1	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	..	1	..	..	..	2	..	1	..
Febricula	..	..	..	..	..	2	2	..	..	4	..	7	2	10	1	2
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	5	1	..	2	..	..	..	1	..
Puerperal Fever	..	..	..	..	..	..	..	1	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	12	8	7	4	4	9	41	60	..	29	3	2	7	6	10	4
Influenza	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	1
Pleurisy and Pneumonia	..	..	..	..	..	..	..	11	..	..	..	..	..	..	2	..
Phthisis	..	..	..	..	..	..	..	15	..	19	2	2	4	2	4	1
Constitutional Syphilis	..	..	..	..	..	..	..	12	..	9	1	..	..	..	..	2
All other Diseases	8	7	14	5	3	7	44	91	16	117	2	3	8	42	62	..
Accidents	1	1	..	..	1	1	4	9	11	108	..	..	2	..	..	..
TOTAL	28	18	25	14	13	26	124	248	42	290	12	17	29	67	89	14

a 5 Removed to Workhouse. *b* Removed to Workhouse. *c* 1 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) „ JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
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(8) „ C. J. CULLINGWORTH.
(9), (10), (11), (12) Mr. S. J. TRUEMAN, „ W. H. CARRUTHERS, „ J. P. SLEIGHTHOLME,
(13) Mr. H. RUNCORI
(14) „ J. FINLAYSO
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N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 14*th day of November*, 1868.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329				477			646		508	2650				Area in Statute Acres.	
70,967				68,209			44,850		21739	24,448				Population in 1861.	
R LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
1	..	..	..	..	..	..	..	..	..	..	..	4	..	Small-pox	..
..	..	2	..	..	1	1	..	1	..	..	..	10	9	Measles	1
2	1	10	..	1	3	6	..	..	..	1	..	38	19	Scarlet Fever	5
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	37	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	..
..	..	3	2	..	1	1	..	2	..	1	..	27	30	Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	5	..	Dysentery	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
..	..	..	..	..	..	..	..	..	..	..	..	6	7	Erysipelas	..
..	17	5	..	*b*1	4	2	..	1	..	1	5	63	32	Continued Fever	..
..	..	1	..	..	..	4	*c*2	..	..	..	9	62	25	Typhus	5
4	..	1	..	1	..	3	..	4	..	1	..	18	7	Enteric or Typhoid	1
4	..	7	..	1	1	5	6	4	..	2	2	61	28	Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	..	1	..	..	2	1	..	..	..	2	..	15	41	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Puerperal Fever	..
7	..	40	3	7	4	10	9	13	4	4	16	289	280	Bronchitis & Catarrh	8
..	..	1	..	..	..	..	..	..	..	..	..	8	5	Influenza	..
2	..	3	..	..	..	..	..	1	..	..	4	23	17	Pleurisy & Pneumonia.	1
..	..	11	..	2	..	1	1	1	..	3	8	76	62	Phthisis	7
..	..	7	..	..	..	..	..	..	..	2	3	36	45	Constitutional Syphilis	..
32	2	93	4	11	13	5	20	26	3	17	41	680	642	All other diseases	34
..	..	59	..	..	1	2	2	9	..	23	3	234	231	Accidents	2
52	20	244	9	24	30	41	40	62	7	57	91	1657	1517	TOTAL	66

d 1 Removed to Workhouse and 1 to Infirmary.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. W. C. BARNISH,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, R. P. O. GORMAN,
(28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
wn from the weekly returns,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	1	..	..	..	..	..	..	..	..	1	..
Measles	1	..	1	..	..	..	..	..	..	..	..	2	6
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	14
Scarlatina	5	8	4	1	1	3	4	4	3	10	1	44	22
Diarrhœa	2	..	..	..	..	3	2	1	..	1	1	10	6
Fever	..	3	9	..	..	*c*1	*d*2	2	..	2	*e*2	21	11
Diseases of the Lungs	3	6	3	2	4	10	2	2	5	17	1	55	83
Other causes	7	10	14	5	*a*13	*b*10	12	13	*a*19	17	6	126	124
TOTAL NO. OF DEATHS.	18	27	32	8	18	27	22	22	27	47	11	259	266
TOTAL NO. OF BIRTHS.	51	41	16	11	20	36	40	16	37	55	16	339	318

a 3 Inquests. *b* 2 Inquests. *c* Typhoid. *d* 1 Typhus and 1 Rheumatic. *e* 1 Typhoid and 1 Scarlet.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161630.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th July.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	TOTAL.	DISEASES.	4 Weeks ending 25th July.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	TOTAL
2	3	..	5	Small-pox	4	7	4	15
83	42	43	168	Measles	86	56	24	166
50	59	57	166	Scarlet Fever	199	198	230	627
4	6	2	12	Diphtheria	2	..	..	2
49	34	23	106	Whooping-cough	17	9	2	28
4	1	..	5	Croup	1	2	2	5
2965	2773	762	6500	Diarrhœa	1000	1374	534	2908
2	1	1	4	Dysentery	28	48	8	84
..	..	..	..	Malignant Cholera	2	1	..	3
22	47	36	105	Erysipelas	22	24	34	80
4	23	9	36	Continued Fever	106	141	191	438
3	2	..	5	Typhus	98	154	145	397
3	4	2	9	Enteric or Typhoid	27	76	93	196
51	61	38	150	Febricula	162	237	280	679
1	..	1	2	Ague	3	2	2	7
43	46	38	127	Rheumatic Fever	41	48	61	150
..	1	..	1	Puerperal Fever	1	1	..	2
436	498	513	1447	Bronchitis and Catarrh	454	576	718	1748
3	5	4	12	Influenza	20	26	19	65
43	48	42	133	Pleurisy and Pneumonia	46	63	65	174
65	89	75	229	Phthisis	276	306	277	859
30	42	26	98	Constitutional Syphilis	182	235	140	557
3983	4538	3626	12147	Accidents, and all other Diseases	4212	5246	4081	13539
7846	8323	5298	21467	TOTAL	6989	8830	6910	22729

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN OCTOBER.

	Inches.	Wet Days.
Royton	6·490	24
Wilmslow	4·791	25
Salford	4·770	26
Old Trafford	4·501	24
Penketh	3·953	24
Eccles	4·998	26

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea level	130 ft.	108 ft.	145 ft.	145 ft.	251 ft.	544 ft.	43 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	30·307	30·324	30·307	30·317	30·320	30·321
Highest (Unreduced)		30·585	30·596	30·585	30·476	30·134	30·695
Lowest (Unreduced)		29·881	29·872	29·881	29·772	29·418	29·978
Range		0·704	0·724	0·704	0·704	0·716	0·717
Temperature.							
Adopted Mean		41.3	38·6	39·8	36·3	37·0	38·4
Range for Week		13.3	18·0	19·6	22·2	19·4	22·9
Daily Range		6·6	11 5	11·4	14·9	11·6	12·2
Maximum in Shade		45·8	46·0	47·7	46·1	46·4	48·2
Minimum in Shade		32·5	28·0	28·1	23·9	27·0	25·3
Temperature of Dew Point		35·5	34·9	34·5	33·7	33·1	35·2
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·804	0·868	0·816	0·901	0 854	0·883
Prevailing Winds		NE	NE, W	NNE by NE	NE, W	NE	NE
Rain		0·064	0·170	0·078	0·026	0·120	0·020
Ozonometer.							
Moffat		0·28	1·57	1·57	....	....	....
Schonbein		....	1·00	....	0·43	0·20	0.40

November 14, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, NOVEMBER 21, 1868. No. 434

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 21st instant, 1599 new cases of disease and accidents were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1493. The deaths during the week amounted to 60, being at the rate of one death to every 26 cases.

There is this week an improvement in the disease return.

Measles remains much the same as it has been these many weeks; 7 cases are returned for the present week, being 3 less than in the one preceding.

There is an increase in the cases of Scarlatina, the number being 50 instead of 38; in the corresponding week of last year the number was 30. Eighteen cases occurred in Manchester, 25 in Salford, 2 in Hulme, 3 in Chorlton, and 2 in Ardwick.

Whooping-Cough has been absent from the public practice of Manchester and Salford during the last three weeks.

There is a marked change for the better under Fever, 150 cases being returned instead of 204; 50 are attributed to Continued Fever, 32 to Typhus, and 23 to Typhoid Fever. Fourteen of the Typhus Fever cases were treated at the Manchester Workhouse, and 12 at the Chorlton Union Workhouse

Bronchitis and other acute chest diseases remain much the same as in the last report; 319 cases are returned.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 275 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Eighty-three deaths were caused by diseases of the lungs, 46 by Scarlatina, 28 by Fever, and 7 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 39·8°; at the Salford Observatory it was 40·0°; at Eccles 39·8°; and at Old Trafford 40·2°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment 1

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	[illegible]
Small-pox	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	
Measles	..	..	..	1	..	..	1	..	..	..	..	..	3	..	..	
Scarlet Fever	1	..	..	..	2	1	4	1	1	..	..	..	6	2	4	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	1	..	..	..	..	..	1	3	..	10	..	..	..	2	2	1
Dysentery	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	
Continued Fever	*a*4	1	6	*a*1	*a*1	..	13	4	..	..	..	..	..	1	1	
Typhus	..	..	..	..	..	1	1	14	1	..	..	..	1	..	..	
Enteric or Typhoid	*a*1	*a*1	..	..	..	..	2	..	2	..	..	..	1	..	..	
Febricula	..	1	..	1	..	1	3	..	..	2	..	3	1	10	..	
Ague	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	
Rheumatic Fever	..	..	..	1	..	..	1	..	2	..	1	..	1	1	..	
Puerperal Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Bronchitis and Catarrh	5	7	3	2	4	3	24	56	2	21	2	2	9	7	13	
Influenza	..	..	..	..	..	..	..	4	..	..	..	..	..	..	1	
Pleurisy and Pneumonia	*a*1	..	..	..	..	1	2	12	..	2	..	1	..	1	3	
Phthisis	..	..	1	2	..	..	3	8	..	23	2	1	2	1	..	
Constitutional Syphilis	1	..	..	1	..	1	3	11	..	7	1	..	..	1	..	
All other Diseases	20	7	12	17	4	14	74	85	16	81	5	6	8	44	48	
Accidents	1	1	..	..	..	..	2	1	20	129	2	1	..	..	..	
TOTAL	35	18	23	26	11	22	135	201	45	278	13	14	32	70	72	

a Removed to Workhouse. *b* 2 Removed to Workhouse.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) „ JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. E. MAUNDRELL,
(8) „ C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. S. J. TRUEMAN, „ W. H. CARRUTHERS, „ J. P. SLEIGHTHOLME,
(13) Mr. H. RUNCO
(14) „ J. FINLAY
(15) „ J. OGDEN F
(16) „ J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

TIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 21st day of November, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329					477			646		508	2650				Area in Statute Acres.	
70,967					68,209			44,850		21739	24,448				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
16	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Small-pox	..
..	..	..	1	..	1	..	..	1	..	..	..	..	7	10	Measles	..
a1	..	5	19	..	2	..	..	1	1	..	2	1	50	30	Scarlet Fever	9
..	..	..	..	..	..	..	..	..	..	..	2	..	2	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
1	..	..	3	2	..	1	1	..	1	..	..	1	32	22	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	1	..	..	2	..	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera	..
..	..	..	..	..	1	..	..	..	1	..	..	..	4	7	Erysipelas	..
..	..	12	4	..	..	b4	3	..	5	..	..	3	50	11	Continued Fever	2
..	..	..	..	..	..	1	.	a1	..	..	1	12	32	24	Typhus	4
..	6	..	4	..	..	..	2	2	3	..	1	..	23	8	Enteric or Typhoid	2
..	..	..	5	..	1	2	4	3	5	1	..	3	45	33	Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	Ague	..
..	..	..	2	..	..	1	..	..	..	..	1	..	10	52	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	Puerperal Fever	..
7	7	..	44	5	12	4	14	10	10	7	5	16	281	279	Bronchitis & Catarrh	8
..	..	..	3	..	..	..	..	..	..	..	..	..	11	6	Influenza	..
..	..	..	4	..	..	..	..	..	1	..	..	1	27	13	Pleurisy & Pneumonia.	2
..	4	..	13	..	3	1	..	..	1	1	1	3	67	60	Phthisis	7
..	..	..	6	1	1	1	..	..	2	..	..	4	38	43	Constitutional Syphilis	1
10	21	3	93	3	9	10	15	19	17	4	18	61	653	616	All other diseases	22
..	3	..	65	..	..	..	..	..	18	..	19	1	261	241	Accidents	3
19	41	20	266	11	30	25	39	37	65	14	50	106	1599	1493	TOTAL	60

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
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the reports of the Association, and has as far as practicable, been taken into account in the conclusions awn from the weekly returns.

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Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johnε.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	2	..	..	..	1	1	1	1	7	9
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	14
Scarlatina	5	4	1	2	..	9	4	8	3	8	2	46	23
Diarrhœa	..	..	..	..	..	..	..	..	1	..	..	1	7
Fever	1	3	8	5	*b*1	..	*c*5	..	*d*2	*e*2	1	28	16
Diseases of the Lungs	8	13	13	2	1	10	3	3	6	19	5	83	97
Other causes	9	13	15	*a*7	7	6	17	4	10	20	*f*2	110	132
TOTAL NO. OF DEATHS.	24	33	37	18	9	25	29	16	23	50	11	275	298
TOTAL NO. OF BIRTHS.	45	45	14	12	13	22	21	15	35	61	19	302	314

a 2 Inquests. *b* Typhoid. *c* 2 Typhus and 3 Typhoid. *d* 1 Typhus and 1 Typhoid. *e* 1 Typhus. *f* 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,315.

5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL.	DISEASES.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL
3	..	1	4	Small-pox	7	4	8	19
42	43	53	138	Measles	56	24	32	112
59	57	93	209	Scarlet Fever	198	230	285	713
6	2	1	9	Diphtheria	..	..	3	3
34	23	32	89	Whooping-cough	9	2	3	14
1	..	2	3	Croup	2	2	2	6
2773	762	387	3922	Diarrhœa	1374	534	290	2198
1	1	2	4	Dysentery	48	8	11	67
..	..	..	..	Malignant Cholera	1	..	..	1
47	36	38	121	Erysipelas	24	34	41	99
23	9	4	36	Continued Fever	141	191	248	580
2	..	4	6	Typhus	154	145	268	567
4	2	9	15	Enteric or Typhoid	76	93	108	277
61	38	55	154	Febricula	237	280	268	785
..	1	..	1	Ague	2	2	1	5
46	38	69	153	Rheumatic Fever	48	61	82	191
1	..	..	1	Puerperal Fever	1	..	2	3
498	513	872	1883	Bronchitis and Catarrh	576	718	1132	2426
5	4	4	13	Influenza	26	19	47	92
48	42	48	133	Pleurisy and Pneumonia	63	65	124	252
89	75	95	259	Phthisis	306	277	318	901
42	26	37	105	Constitutional Syphilis	235	140	183	558
4538	3626	4232	12396	Accidents, and all other Diseases	5246	4081	4773	14100
8323	5298	6038	19659	TOTAL	8830	6910	8229	23969

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN OCTOBER.

	Inches.	Wet Days.
Royton	6·490	24
Wilmslow	4·791	25
Salford	4·770	26
Old Trafford	4·501	24
Penketh	3·953	24
Eccles	4·998	26

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea leve	130 ft.	108 ft.	145 ft.	145 ft.	251 ft.	544 ft.	43 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	30·238	30·236	30·238	30·241	30·240	30·238
Highest (Unreduced)		30·347	30·336	30·347	30·234	29 910	30·446
Lowest (Unreduced)		29·277	29·186	29·277	29·196	28·870	29·354
Range		1·070	1·150	1·070	1·038	1·040	1·092
Temperature.							
Adopted Mean		40.0	40·2	39·8	38·6	38·9	39·4
Range for Week		12.0	22·8	15·3	21·9	21·3	19·3
Daily Range		8·2	10·3	8·7	9·9	8·1	9·8
Maximum in Shade		46·6	53·8	46·6	51·9	51·8	48·6
Minimum in Shade		34·6	31·0	31·3	30·0	30·5	29·3
Temperature of Dew Point		34·4	34·9	33·8	33·9	35·4	34·8
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·808	0·753	0·792	0·833	0·873	0·838
Prevailing Winds		NE	E, NE	NE	NE	NE	NE
Rain		0·185	0·156	0·168	0·168	0·410	0·240
Ozonometer.							
Moffat		....	2·71	2·71	....	....	....
Schonbein		....	0·86	....	4·71	2·60	1.20

November 21, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, NOVEMBER 28, 1868. No. 435

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 28th day of November, 1671 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding two weeks the numbers were 1657 and 1599.

There is an improvement in the present return.

Small-Pox continues to appear in the public practice of Manchester and Salford, 4 cases are returned for this week.

There is a slight increase in the number of cases of Measles, 9 being returned instead of 7.

The cases of Scarlatina have fallen from 50 to 40. Ten occurred in Manchester, 22 in Salford, 4 in Hulme, 2 in Chorlton, and 2 in Ardwick; 17 of the 22 cases that occurred in Salford were treated at the Dispensary.

There has been a slight increase the last fortnight in the cases of Diarrhœa and Dysentery, the numbers for the last three weeks being 32, 34, 36.

The most important feature in this return is the improvement under Fever; three weeks ago the number of cases of Fever was 204, this week 128 are returned. Thirty-three of the cases were attributed to Continued Fever, 32 to Typhus, and 18 to Typhoid Fever.

The cases of Bronchitis and other acute chest diseases have risen from 319 to 359.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 293 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Seventy-two deaths were caused by diseases of the lungs, 46 by Scarlatina, 23 by Fever, and 6 by Diarrhœa.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 42·5°; at the Salford Observatory it was 44·2°; at Eccles 42·8°; and at Old Trafford 42·4°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment L

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	1 St. Peter's	2 St. Andrew's	3 St. George's	4 Cathedral	5 St. Jude's	6 St. Michael's	Total of Districts.	7 Workhouse.	8 In-patients.	9 Out-patients.	10 District I.	11 District II.	12 District III.	13 St. Mary's Hospital.	14 Clinical Hospital.	15 City Gaol.
Small-pox	..	..	..	..	..	..	..	..	2	..	..	..	..	1	..	.
Measles	..	..	..	..	..	2	2	..	..	..	..	..	2	1	..	.
Scarlet Fever	..	..	..	..	..	1	1	1	..	..	..	1	4	..	3	.
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	.
Diarrhœa	..	..	..	..	2	..	2	2	..	2	..	..	..	9	4	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Erysipelas	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	.
Continued Fever	..	*a*1	4	*a*2	*a*2	..	9	..	..	..	..	..	..	3	1	.
Typhus	..	..	..	..	..	1	1	14	6	..	..	..	..	1	..	.
Enteric or Typhoid	..	1	..	..	..	..	1	2	2	..	*b*1	..	..	..	..	.
Febricula	..	..	..	..	..	4	4	1	..	2	..	3	1	10	1	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Rheumatic Fever	..	..	..	..	..	..	..	..	4	..	1	..	1	..	..	.
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	.
Bronchitis and Catarrh	7	7	7	4	2	5	32	47	1	36	1	3	6	23	14	3
Influenza	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	2
Pleurisy and Pneumonia	1	..	1	..	..	3	5	9	1	..	..	..	1	2	2	..
Phthisis	..	..	..	..	..	..	...	11	..	18	..	2	2	2	1	..
Constitutional Syphilis	..	..	..	..	..	..	..	14	..	9	3	..	..	..	..	3
All other Diseases	17	8	19	14	2	19	79	72	14	109	3	10	5	89	79	4
Accidents	..	..	..	..	..	..	..	..	8	88	..	..	..	..	..	..
TOTAL	25	17	31	20	8	35	136	177	38	264	10	19	22	142	105	17

a Removed to Workhouse. *b* Removed to Infirmary. *c* 2 Removed to Workhouse. *d* 1 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) „ JOHN WALSH.

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. E. MAUNDRELL,
(8) „ C. J. CULLINGWORTH.

(9) (10) (11) (12) Mr. S. J. TRUEMAN, „ W. H. CARRUTHERS, „ J. P. SLEIGHTHOLME,

(13) Mr. H. RUNCORI
(14) „ J. FINLAYSO
(15) „ J. OGDEN FLE
(16) „ J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 28th day of November, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
... 1,329					.... 477.			.. 646. ..		508.	..... 2650.....				Area in Statute Acres.	
... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
OR LAW STRICT	PUBLIC INSTITUTIONS.				POOR LAW DISTRICTS										DISEASES.	DEATHS.
Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anccats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.			
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	1	4	..		Small-pox	..
..	..	..	..	..	3	..	..	..	..	..	..	9	11		Measles	..
..	4	17	..	2	1	1	..	..	..	2	2	40	15		Scarlet Fever.	4
..	..	..	..	..	..	..	..	..	..	1	..	1	..		Diphtheria	..
..	..	1	..	..	..	..	..	..	..	..	..	1	32		Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..		Croup	..
..	..	1	5	..	..	2	..	..	..	1	4	36	27		Diarrhœa	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..		Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..		Malignant Cholera ..	..
..	..	1	..	1	..	..	..	..	..	..	..	4	10		Erysipelas	..
..	4	3	..	..	c3	1	..	2	..	1	3	33	26		Continued Fever	2
..	..	1	..	2	..	2	d2	..	..	..	3	32	23		Typhus	7
4	..	3	..	2	..	.	..	3	..	..	..	18	12		Enteric or Typhoid ..	..
1	..	7	..	..	2	4	1	5	..	1	..	45	26		Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..		Ague	..
2	..	..	..	..	1	1	..	..	..	4	2	16	44		Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..		Puerperal Fever.....	..
20	..	40	4	16	9	3	12	12	3	6	24	325	327		Bronchitis & Catarrh	9
..	..	..	..	..	..	..	..	..	..	..	..	5	13		Influenza	..
..	..	3	..	..	1	..	..	..	..	2	3	29	23		Pleurisy & Pneumonia.	1
2	..	12	..	..	1	1	1	2	..	1	5	62	57		Phthisis	5
..	..	6	1	3	..	..	3	..	..	..	..	42	49		Constitutional Syphilis	..
21	..	96	4	10	11	16	25	29	7	24	51	783	660		All other diseases	26
1	..	49	..	..	1	1	3	12	..	21	..	185	207		Accidents	1
51	8	240	14	36	33	32	47	65	10	64	98	1671	1562		TOTAL	56

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. W. C. BARNISH,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, R. P. O. GORMAN,
(28) ,, GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusions
vn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	1	1	2	1	5	3
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	13
Scarlatina	7	10	..	3	1	4	3	8	..	7	3	46	23
Diarrhœa	..	2	..	..	1	1	..	1	..	1	..	6	11
Fever	..	2	6	..	3	*b*2	*d*3	..	*e*4	*f*2	1	23	13
Diseases of the Lungs	6	11	10	4	4	8	2	2	9	10	6	72	87
Other causes	21	13	17	*a*3	15	*c*5	*c*21	7	7	20	12	141	143
TOTAL NO. OF DEATHS.	34	38	33	10	24	20	29	19	21	42	23	293	293
TOTAL NO. OF BIRTHS.	47	43	10	16	20	33	39	24	29	69	20	350	302

a 1 Inquest. *b* Typhoid. *c* 2 Inquests. *d* 2 Typhus and 1 Typhoid. *e* 1 Typhus and 3 Typhoid. *f* 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,815.

5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL.	DISEASES.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL
3	..	1	4	Small-pox	7	4		19
42	43	53	138	Measles	56	24	32	112
59	57	93	209	Scarlet Fever	198	230	285	713
6	2	1	9	Diphtheria	..	..	3	3
34	23	32	89	Whooping-cough	9	2	3	14
1	..	2	3	Croup	2	2	2	6
2773	762	387	3922	Diarrhœa	1374	534	290	2198
1	1	2	4	Dysentery	48	8	11	67
..	..	..	..	Malignant Cholera	1	..	..	1
47	36	38	121	Erysipelas	24	34	41	99
23	9	4	36	Continued Fever	141	191	248	580
2	..	4	6	Typhus	154	145	268	567
4	2	9	15	Enteric or Typhoid	76	93	108	277
61	38	55	154	Febricula	237	280	268	785
..	1	..	1	Ague	2	2	1	5
46	38	69	153	Rheumatic Fever	48	61	82	191
1	..	..	1	Puerperal Fever	1	..	2	3
498	513	872	1883	Bronchitis and Catarrh	576	718	1132	2426
5	4	4	13	Influenza	26	19	47	92
48	42	48	133	Pleurisy and Pneumonia	63	65	124	252
89	75	95	259	Phthisis	306	277	318	901
42	26	37	105	Constitutional Syphilis	235	140	183	558
4538	3626	4232	12396	Accidents, and all other Diseases	5246	4081	4773	14100
8323	5298	6038	19659	TOTAL	8830	6910	8229	23969

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN OCTOBER.

	Inches.	Wet Days.
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Height of barometer cistern above sea level	130 ft.	108 ft.	145 ft.	145 ft.	251 ft.	544 ft.	43 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·685	29·682	29·685	29·670	29·664	29·654
Highest (Unreduced)		29·959	29·966	29·959	29·854	29·482	30·056
Lowest (Unreduced)		28·791	28·814	28·791	28·686	28·354	28·852
Range		1·168	1·152	1·168	1·168	1·128	1·204
Temperature.							
Adopted Mean		44·2	42·4	42·8	42·7	41·3	43·4
Range for Week		16·0	19·0	17·3	20·7	18·0	21·9
Daily Range		5·7	8·8	7·7	10·4	8·5	8·6
Maximum in Shade		55·2	54·0	54·6	53·7	53·0	53·3
Minimum in Shade		39·2	35·0	37·3	33·0	35·0	31·4
Temperature of Dew Point		38·9	39·5	39·5	40·0	39·0	40·7
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·814	0·896	0·888	0·901	0·911	0·904
Prevailing Winds		SE	SW, E	SE	E, SE	SE	E, SE
Rain		0·825	0·872	0·939	0·869	0·780	0·812
Ozonometer.							
Moffat		....	0·00	0·71	....	....	....
Schonbein		....	0·00	....	0·107	1·00	4·10

November 28, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, DECEMBER 5, 1868. No. 436

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 5th instant, 1636 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1445. The deaths during the week amounted to 66, being at the rate of 1 death to every 26 cases.

The present return is more unfavourable than the one for the preceding week.

Scarlatina has risen in frequency, the number of cases for the week being 50 instead of 40. Twenty cases occurred in Manchester, 18 in Salford, 7 in Hulme, 4 in Chorlton, and 1 in Ardwick.

The cases of Measles have declined from 9 in the previous week to 4 in the one under notice. Two of these occurred in Manchester, 1 in Salford, and 1 in Chorlton.

Diarrhœa and Dysentery are still on the increase, 39 cases are returned for this week. In the corresponding week of last year the number was 24.

This week shows an increase in the number of Fever cases; 34 cases of Continued Fever, 45 of Typhus, and 18 of Typhoid Fever are returned. Twenty-three of the Typhus Fever cases were treated at the Manchester Workhouse, and 10 at the Chorlton Union Workhouse.

The cases of Bronchitis and other acute chest affections remain much the same as in the preceding week,—358 cases are returned.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 298 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Eighty-six deaths were caused by diseases of the lungs, 36 by Scarlatina, and 23 by Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 45·6°; at the Salford Observatory it was 46·5°; at Eccles 45·6°; and at Old Trafford 45·1°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	2	2	..	..	..	..	1	1	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..
Scarlet Fever	4	..	2	1	1	2	10	2	2	..	..	2	3	..	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..
Diarrhœa	..	2	..	..	..	..	2	2	..	5	..	..	..	3	5	4
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	1	1	2	..	..	..	..	..	..
Continued Fever	1	..	3	*a*2	1	..	7	..	..	..	..	..	..	1	1	..
Typhus	..	..	..	..	1	2	3	23	3	..	*b*1	..	1	..	1	..
Enteric or Typhoid	..	..	..	..	..	..	..	..	1	..	..	..	1	..	2	..
Febricula	2	..	..	..	..	2	4	..	..	..	..	..	1	14	..	2
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	1	2	..	..	1	3	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchiti and Catarrh	5	7	9	6	8	7	42	33	...	23	..	5	8	36	20	5
Influenza	..	1	..	..	..	..	1	3	..	..	..	..	..	..	..	3
Pleurisy and Pneumonia	1	..	..	..	..	1	2	8	..	..	..	..	1	..	2	..
Phthisis	..	..	1	..	1	..	2	6	..	16	3	..	2	3	4	..
Constitutional Syphilis	2	..	..	..	..	..	2	14	..	13	1	..	..	..	..	4
All other Diseases	15	6	15	8	3	9	56	59	22	96	5	4	1	60	86	3
Accidents	4	..	..	..	1	1	6	..	17	112	..	..	..	..	..	..
TOTAL	34	16	30	17	16	26	139	152	48	267	10	13	23	119	122	21

a 1 Removed to Workhouse. *b* Removed to Workhouse. *c* 4 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. E. MAUNDRELL,
(8) ,, C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. S. J. TRUEMAN, ,, W. H. CARRUTHERS, ,, J. P. SLEIGHTHOLME,
(13) Mr. H. RUNCORN.
(14) ,, J. FINLAYSON
(15) ,, J. OGDEN FLET
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 5th day of December, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
... 1,329					.... 477.....			.. 646...		508.	..... 2650.....				Area in Statute Acres.
... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.
...R LAW STRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anccats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
...S	17	18	19	20	21	22	23	24	25	26	27	28				
	..	..	..	..	..	..	..	..	..	..	..	1	5	..	Small-pox	..
	..	..	1	..	..	..	..	1	..	..	..	..	4	9	Measles	..
	..	2	16	..	1	4	2	..	3	..	1	1	50	18	Scarlet Fever.	3
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
	..	..	..	..	..	..	..	..	..	..	..	..	1	17	Whooping-cough	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup	..
	1	..	5	2	..	2	3	..	1	..	1	..	38	24	Diarrhœa	..
	..	..	1	..	..	..	..	..	..	..	..	..	1	..	Dysentery	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
	..	..	..	..	..	..	..	..	..	..	..	..	5	3	Erysipelas	..
	..	7	4	..	*b*1	*c*6	1	..	1	..	..	4	34	16	Continued Fever	1
	..	..	..	..	..	..	..	*b*2	*b*1	..	..	10	45	8	Typhus	2
	2	..	1	..	1	..	.	3	6	..	1	..	18	6	Enteric or Typhoid ..	1
	..	..	3	..	1	1	3	3	2	..	3	2	39	29	Febricula	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
	..	..	2	1	1	3	..	..	..	2	3	1	20	51	Rheumatic Fever	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
	15	..	43	2	12	8	13	5	12	4	11	20	326	288	Bronchitis & Catarrh	11
	..	..	..	..	..	..	..	..	..	..	..	..	7	14	Influenza	..
	..	..	2	..	..	2	1	1	2	..	1	3	25	17	Pleurisy & Pneumonia.	4
	1	..	9	..	2	..	..	2	2	..	5	4	61	69	Phthisis	8
	..	..	7	..	1	..	..	4	..	..	..	9	56	34	Constitutional Syphilis	..
	21	9	76	3	19	10	11	20	24	5	22	52	677	627	All other diseases	29
	1	..	57	..	1	..	..	1	11	..	16	2	224	215	Accidents	7
	41	18	227	8	40	36	34	42	65	11	64	109	1636	1445	TOTAL	66

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. W. C. BARNISH,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, R. P. O. GORMAN,
(28) ,, GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusions n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	..	..	..	..	..	e1	..	..	1	..
Measles	1	..	..	..	..	..	..	..	..	1	..	2	12
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	23
Scarlatina	3	6	1	3	1	2	1	5	1	12	1	36	22
Diarrhœa	1	..	1	1	..	..	..	..	..	..	..	3	8
Fever	3	..	2	3	..	c2	d5	1	f2	g4	1	23	7
Diseases of the Lungs	12	8	4	4	3	18	5	6	9	12	5	86	90
Other causes	11	a18	15	6	12	b4	b26	11	b10	20	14	147	136
TOTAL NO. OF DEATHS.	31	32	23	17	16	26	37	23	23	49	21	298	298
TOTAL NO. OF BIRTHS.	38	37	19	17	17	33	39	12	30	67	11	320	278

a 4 Inquests. *b* 1 Inquest. *c* Typhus. *d* 3 Typhus and 2 Typhoid. *e* 3 Weeks old. *f* Typhoid. *g* 2 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390, 815.

5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL.	DISEASES.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL
3	..	1	4	Small-pox	7	4		19
42	43	53	138	Measles	56	24	32	112
59	57	93	209	Scarlet Fever	198	230	285	713
6	2	1	9	Diphtheria	..	..		3
34	23	32	89	Whooping-cough	9	2	3	14
1	..	2	3	Croup	2	2	2	6
2773	762	387	3922	Diarrhœa	1374	534	290	2198
1	1	2	4	Dysentery	48	8	11	67
..	..	..	..	Malignant Cholera	1	..	..	1
47	36	38	121	Erysipelas	24	34	41	99
23	9	4	36	Continued Fever	141	191	248	580
2	..	4	6	Typhus	154	145	268	567
4	2	9	15	Enteric or Typhoid	76	93	108	277
61	38	55	154	Febricula	237	280	268	785
..	1	..	1	Ague	2	2	1	5
46	38	69	153	Rheumatic Fever	48	61	82	191
1	..	..	1	Puerperal Fever	1	..	2	3
498	513	872	1883	Bronchitis and Catarrh	576	718	1132	2426
5	4	4	13	Influenza	26	19	47	92
48	42	48	133	Pleurisy and Pneumonia	63	65	124	252
89	75	95	259	Phthisis	306	277	318	901
42	26	37	105	Constitutional Syphilis	235	140	183	558
4538	3626	4232	12396	Accidents, and all other Diseases	5246	4081	4773	14100
8323	5298	6038	19659	TOTAL	8830	6910	8229	23969

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN NOVEMBER.

	Inches.	Wet Days.
Royton	2·555	16
Wilmslow	1·848	18
Salford	2·711	17
Old Trafford	3·108	18
Penketh	2·049	16
Eccles	2·719	18

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq
Height of barometer cistern above sea leve	130 ft.	108 ft.	145 ft.	145 ft.	251 ft.	544 ft.	43 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	NO RETURN.	29·587	29·609	29·587	29·576	29·575	29·562
Highest } Unreduced		29·869	29.846	29·869	29·748	29·394	29·934
Lowest } Unreduced		29·103	29·130	29·103	28·992	28·654	29·164
Range		0·766	0.716	0·766	0·756	0·740	0·770
Temperature.							
Adopted Mean		46·5	45·1	42·6	45·3	44·5	45·2
Range for Week		21·2	25·3	24·5	23·8	22·7	28·7
Daily Range		7·2	10 0	7·9	7·6	8·0	7·8
Maximum in Shade		56·2	55·3	55·2	54·7	53·2	54·8
Minimum in Shade		35·0	30 0	30·7	30·9	30·5	26·1
Temperature of Dew Point		42·0	41·0	41·5	41·4	41·2	41·7
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0·853	0·858	0·863	0·861	0·874	0·874
Prevailing Winds		SE	SE,E	SE	S	S	S,SE
Rain		1·325	1·278	1·163	0·949	1·000	0·580
Ozonometer.							
Moffat		1·00	6·48	6·14	....	....	....
Schonbein		....	4·84	....	7·28	3·80	3·60

December, 5th, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, DECEMBER 12, 1868. No. 437

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 12th instant, 1562 new cases of disease were observed in the public practice of Manchester and Salford. In the corresponding week of last year the number was 1614. The deaths during the week amounted to 70, being at the rate of 1 death to every 22 cases.

There is this week a slight improvement in the return of Scarlatina cases; last week the number was 50,—they have fallen to 44 in this return. Sixteen cases occurred in Manchester, 21 in Salford, 4 in Hulme, and 3 in Chorlton.

The number of Measles cases has risen from 4 in the preceding week to 9, being the same number as for the week ending on November 28th. Four of the cases occurred in Manchester, 2 in Salford, and 3 in Ardwick.

The cases of Diarrhœa and Dysentery continue to increase, the numbers for the last three weeks being 36, 39, and 42.

There is a slight decrease in the number of Fever cases; 25 cases of Continued Fever, 49 of Typhus Fever, and 17 of Typhoid Fever are returned; making a total of 91 cases of Fever.

Five cases of Small-Pox occurred this week, being the same number as in the one preceding.

There is a decrease in the cases of Bronchitis and other acute chest diseases, the number having fallen from 358 to 338. In the corresponding week of last year the number was 379.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 275 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Ninety-one deaths were caused by diseases of the lungs, 26 by Fever, and 25 by Scarlatina.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 47·6°; at the Salford Observatory it was 46·9°; at Eccles 45·8°; and at Old Trafford 45·6°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox	..	..	..	..	..	1	1	1	1	..	..	1	..	..	..	..
Measles	..	..	..	..	..	1	1	..	..	..	..	..	2	1	..	..
Scarlet Fever	..	..	..	..	2	1	3	1	3	..	..	..	5	4	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	2	..	1	..	..	3	1	..	11	..	..	..	5	4	4
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	.	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Continued Fever	..	..	6	*a*1	*a*2	..	9	..	..	..	..	..	..	..	..	..
Typhus	..	..	..	..	..	2	2	22	10	..	*b*1	1	4	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	2	..	..	..	..	1	..	..	..
Febricula	2	1	..	..	1	3	7	..	..	..	..	5	..	8	1	2
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	..	1	..	..	...	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	3	8	1	3	4	9	28	26	2	33	..	4	8	34	25	6
Influenza	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	2
Pleurisy and Pneumonia	2	1	..	..	..	1	4	4	..	..	..	..	..	1	4	..
Phthisis	..	..	..	..	1	1	2	6	..	15	5	..	4	1	..	1
Constitutional Syphilis	2	..	..	..	..	..	2	5	2	17	3	..	..	..	1	3
All other Diseases	12	8	12	15	4	12	63	68	19	102	3	9	7	66	62	4
Accidents	..	..	..	1	..	2	3	..	13	105	1	..	..	..	..	..
TOTAL	21	20	19	21	14	33	128	139	51	283	13	20	31	120	97	22

a Removed to Workhouse. *b* Removed to Infirmary. *c* 1 Removed to Workhouse.

Medical Officers to whom the Association

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(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
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N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 12th day of December, 1868.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
... 1,329				.... 477.....			.. 646...		508.	.... 2650.....				Area in Statute Acres.	
... 70,967.				.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
ORLAW STRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	1	..	..	..	..	..	..	..	..	..	5	..	Small-pox	..
..	..	2	..	..	..	..	..	..	..	3	..	9	16	Measles	..
..	7	14	..	3	..	1	..	3	..	..	..	44	22	Scarlet Fever.	6
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	1	..	1	33	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Croup	..
1	..	4	1	..	..	3	1	..	..	..	2	40	41	Diarrhœa	..
..	..	..	..	1	..	..	..	..	..	..	..	2	4	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	1	1	..	1	..	1	..	..	..	5	4	Erysipelas	..
..	2	5	..	..	c2	3	1	2	..	..	..	25	17	Continued Fever	..
..	..	1	..	..	..	2	..	..	..	1	5	49	23	Typhus	10
4	..	2	..	..	..	3	..	4	..	1	..	17	4	Enteric or Typhoid ..	2
..	..	4	..	1	4	4	3	4	..	1	6	50	30	Febricula	1
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Ague	..
..	..	..	..	3	..	..	..	..	..	1	2	7	29	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
11	..	41	3	5	11	19	.	13	5	8	23	312	345	Bronchitis & Catarrh	9
..	..	..	..	..	..	..	..	..	..	..	..	4	6	Influenza	..
..	..	3	2	2	..	..	..	..	..	1	1	22	28	Pleurisy & Pneumonia.	4
1	..	11	..	..	2	..	..	7	1	3	3	62	66	Phthisis	8
..	..	5	1	..	..	..	..	..	..	..	1	41	46	Constitutional Syphilis	2
26	2	77	2	14	11	18	14	14	4	21	53	670	665	All other diseases	23
..	..	43	..	..	..	..	3	13	..	15	1	197	231	Accidents	5
43	11	213	10	30	30	54	22	61	10	56	97	1562	1614	TOTAL	70

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
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(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

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Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	1	..	..	..	2	..	2	..	5	8
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	20
Scarlatina	1	6	1	..	..	3	..	4	2	8	..	25	20
Diarrhœa	1	..	1	..	..	..	..	..	1	..	1	4	9
Fever	4	3	9	4	..	*d*2	..	..	1	3	..	26	14
Diseases of the Lungs	13	14	9	3	7	10	3	1	5	22	4	91	102
Other causes	12	*a*13	*b*16	*c*5	8	6	*c*20	*e*7	10	23	4	124	126
TOTAL NO. OF DEATHS.	31	36	36	13	15	21	23	14	19	58	9	275	299
TOTAL NO. OF BIRTHS.	34	48	18	15	9	35	21	18	26	76	29	329	342

a 2 Inquests. *b* 8 Inquest. *c* 3 Inquests. *d* Typhoid. *e* 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161680.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390, 815.

5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL.	DISEASES.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL
3	..	1	4	Small-pox	7	4		19
42	43	53	138	Measles	56	24	32	112
59	57	93	209	Scarlet Fever	198	230	285	713
6	2	1	9	Diphtheria	..	..		3
34	23	32	89	Whooping-cough	9	2	3	14
1	..	2	3	Croup	2	2	2	6
2773	762	387	3922	Diarrhœa	1374	534	290	2198
1	1	2	4	Dysentery	48	8	11	67
..	..	..	..	Malignant Cholera	1	..	..	1
47	36	38	121	Erysipelas	24	34	41	99
23	9	4	36	Continued Fever	141	191	248	580
2	..	4	6	Typhus	154	145	268	567
4	2	9	15	Enteric or Typhoid	76	93	108	277
61	38	55	154	Febricula	237	280	268	785
..	1	..	1	Ague	2	2	1	5
46	38	69	153	Rheumatic Fever	48	61	82	191
1	..	..	1	Puerperal Fever	1	..	2	3
498	513	872	1883	Bronchitis and Catarrh	576	718	1132	2426
5	4	4	13	Influenza	26	19	47	92
48	42	48	133	Pleurisy and Pneumonia	63	65	124	252
89	75	95	259	Phthisis	306	277	318	901
42	26	37	105	Constitutional Syphilis	235	140	183	558
4538	3626	4232	12396	Accidents, and all other Diseases	5246	4081	4773	14100
8323	5298	6038	19659	TOTAL	8830	6910	8229	23969

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN NOVEMBER.

	Inches.	Wet Days.
Royton	2·555	16
Wilmslow	1·848	18
Salford	2·711	17
Old Trafford	3·108	18
Penketh	2·049	16
Eccles	2·719	18

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea leve	130 ft.	108 ft.	145 ft.	145 ft.	251 ft.	544 ft.	43 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·650	29·661	29·761	29·661	29·634	29·632	29·643
Highest (Unreduced)	30·146	30·143	30·120	30·143	30·068	29·704	30·250
Lowest (Unreduced)	29·015	28·989	28·998	28·989	28·896	28·540	29·082
Range	1·131	1·154	1·122	1·154	1·172	1·164	1·168
Temperature.							
Adopted Mean	44·6	46·9	45·6	45·8	44·8	43·8	45·4
Range for Week	20·0	20·8	23·3	24·3	25·9	24·5	29·6
Daily Range	3·2	7·5	8 3	8·8	7·6	11·2	8·7
Maximum in Shade	55·0	55·8	54·3	55·2	54·2	54·5	56·6
Minimum in Shade	35·0	35·0	31·0	30·9	28·3	30·0	27·0
Temperature of Dew Point	41·2	42·1	42·3	41·5	40·0	41·0	42·6
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·880	0·839	0·886	0·858	0·832	0·870	0·898
Prevailing Winds	....	SSE	SE, SW	SSE	SW	SW	E, NE
Rain	....	1·814	2·146	1·829	1·738	2·430	1·702
Ozonometer.							
Moffat	....	0·57	5·00	3·71	....	....	....
Schonbein	....	....	0·71	....	6·28	2·80	3·60

December, 12th, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VIII.] WEEK ENDING SATURDAY, DECEMBER 19, 1868. No. 438

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 19th instant, 1462 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding week the number was 1562, and in the corresponding week of last year it was 1592. The deaths during the week amounted to 68, being at the rate of 1 death to every 21 cases.

The improvement in the return of Scarlatina referred to in the previous report has been continuous, the numbers for the last three weeks are 50, 44, and 34,—the number for the corresponding week of last year is also 34. Eleven of the cases occurred in Manchester, 16 in Salford, 4 in Hulme, 2 in Chorlton, and 1 in Ardwick.

There is also a decline in the number of the cases of Measles,—1 only being returned for this week against 9 in the preceding week. This case occurred in Ardwick.

Small-Pox is on the increase, in the two previous weeks the number was 5 respectively, in the one under notice it has risen to 8.

Not a single case of Whooping-Cough occurred in the public practice of Manchester and Salford during the week.

The return of Fever cases is very similar to that of the preceding week; the numbers for the two weeks being 91 and 93. Thirty-six cases are attributed to Continued Fever, 45 to Typhus, and 12 to Typhoid Fever,—23 of the Typhus cases were treated in the Manchester Workhouse, 6 in the Royal Infirmary, and 5 in the Chorlton Workhouse.

Though the mean temperature of this week was nearly the same as that of the previous week the cases of Bronchitis and other acute chest diseases were much less numerous than in the preceding week. The numbers for the two weeks are 338 and 262.

There is a marked decrease in the cases of Diarrhœa and Dysentery, the number has fallen from 42 to 25.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 285 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Seventy-two deaths were caused by diseases of the lungs, 31 by Scarlatina, 26 by Fever, and 6 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 47·5°; at the Salford Observatory it was 46·7°; at Eccles 46·6°; and at Old Trafford 46·2°.

JOHN ROBERTS, M.D., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment I

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... „ „ 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	[illegible]
Small-pox	..	..	..	..	..	2	2	1	2	..	..	..	..	..	..	
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Scarlet Fever	..	..	2	2	2	2	8	1	..	..	1	..	...	1	..	
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhœa	..	3	..	..	..	..	3	1	..	1	..	..	..	3	1	
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Continued Fever	..	..	6	*a*4	*b*2	..	12	..	..	..	..	..	..	..	1	
Typhus	..	..	..	..	..	..	..	23	6	..	..	*c*3	*d*2	..	..	
Enteric or Typhoid	..	..	..	..	..	..	..	1	1	..	..	..	..	1	..	
Febricula	1	1	..	1	1	5	9	4	1	2	1	1	1	5	1	
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rheumatic Fever	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..	
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	
Bronchitis and Catarrh	2	6	..	4	2	8	22	22	..	31	..	1	6	24	13	
Influenza	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	
Pleurisy and Pneumonia	..	1	..	..	..	..	1	2	..	..	..	1	..	..	1	
Phthisis	..	1	..	..	..	..	1	6	..	15	3	..	1	3	..	
Constitutional Syphilis	..	..	..	..	..	..	..	3	1	4	1	1	..	..	..	
All other Diseases	13	10	15	14	6	6	64	77	14	111	7	10	4	53	76	
Accidents	1	..	..	..	..	2	3	..	12	110	1	..	1	..	..	
TOTAL	17	22	23	25	13	25	125	142	37	274	14	18	19	90	93	

a 3 Removed to Workhouse. *b* Removed to Workhouse. *c* 2 Removed to Workhouse. and 1 to Infirmary. *f* 4 Removed to Workhouse.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) „ JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) „ C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. S. J. TRUEMAN, „ W. H. CARRUTHERS, „ J. P. SLEIGHTHOLME,
(13) Mr. H. RUNCO
(14) „ J. FINLAYS
(15) „ J. OGDEN F
(16) „ J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 19th day of December, 1868.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.... 1,329					.... 477.....			.. 646...		508	..... 2650.....				Area in Statute Acres.	
.... 70,967.					.. 68,209. ..			.. 44,850..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										DISEASES.	DEATHS.
Greengate.	Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
16	17	18	19	20	21	22	23	24	25	26	27	28				
e1	..	..	1	..	..	..	..	1	..	..	..	..	8	2	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	1	..	1	6	Measles	..
6	..	..	10	..	1	3	..	..	2	..	1	..	34	34	Scarlet Fever.	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	57	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
1	..	..	4	2	1	..	..	..	..	..	..	4	25	29	Diarrhœa	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	1	..	..	..	2	..	..	..	3	3	Erysipelas	..
2	..	7	2	..	b2	5	..	..	..	..	..	5	36	20	Continued Fever	..
..	1	..	2	..	..	..	..	d3	..	..	..	5	45	33	Typhus	10
..	2	..	2	..	..	..	..	b3	1	..	1	..	12	9	Enteric or Typhoid ..	1
..	1	..	4	..	2	2	6	1	1	..	..	..	44	29	Febricula	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague	..
..	7	..	1	..	1	..	..	..	1	1	..	7	23	55	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
9	11	..	36	3	6	6	10	3	6	5	4	22	245	297	Bronchitis & Catarrh	9
..	..	..	1	..	..	..	..	..	1	..	..	..	6	7	Influenza	..
..	..	..	3	1	1	..	..	..	..	..	1	..	11	22	Pleurisy & Pneumonia.	1
..	2	..	9	..	2	2	..	2	1	..	3	3	55	60	Phthisis	8
13	1	..	4	..	..	..	..	2	..	1	..	5	39	40	Constitutional Syphilis	2
..	10	3	87	1	5	7	15	16	18	5	12	62	661	614	All other diseases	29
..	1	..	57	..	..	..	..	1	16	..	12	..	214	269	Accidents	4
32	36	10	223	7	22	25	31	32	49	12	35	13	1462	1592	TOTAL	68

d 1 Removed to Workhouse. *e* Aged 19, not Vaccinated, Removed to Workhouse.

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. W. C. BARNISH,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, R. P. O. GORMAN,
(28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions awn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	..	..	1	..	..	..	..	..	..	..	1	..
Measles	4	..	..	1	..	1	..	..	..	..	..	6	2
Whooping-cough	..	..	..	..	..	..	..	..	..	..	1	1	28
Scarlatina	3	3	..	1	2	8	5	3	..	4	2	31	23
Diarrhœa	2	..	..	..	..	2	..	2	..	..	..	6	9
Fever	4	3	7	..	*c*2	*c*1	*e*1	..	*f*5	*g*3	..	26	12
Diseases of the Lungs	17	10	7	6	3	9	2	..	7	8	3	72	75
Other causes	19	*a*14	17	*b*9	7	*d*12	13	9	10	15	17	142	141
TOTAL NO. OF DEATHS.	49	30	31	18	14	33	21	14	22	30	23	285	290
TOTAL NO. OF BIRTHS.	42	36	14	13	25	44	35	40	34	81	26	390	308

a 3 Inquests. *b* 1 Inquest. *c* 1 Typhoid. *d* 2 Inquests. *e* Typhus. *f* 4 Typhoid and 1 Gastric *g* 2 Typhoid

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON. Medical Officer of Health, John Whitmore, M.D. Population in 1861, 161630.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD. Population in 1861, 390,315.

5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL.	DISEASES.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL
3	..	1	4	Small-pox	7	4		19
42	43	53	138	Measles	56	24	32	112
59	57	93	209	Scarlet Fever	198	230	285	713
6	2	1	9	Diphtheria	..	..		3
34	23	32	89	Whooping-cough	9	2	3	14
1	..	2	3	Croup	2	2	2	6
2773	762	387	3922	Diarrhœa	1374	534	290	2198
1	1	2	4	Dysentery	48	8	11	67
..	..	..	..	Malignant Cholera	1	..	..	1
47	36	38	121	Erysipelas	24	34	41	99
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8323	5298	6038	19659	TOTAL	8830	6910	8229	23969

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Penketh	2·049	16
Eccles	2·719	18

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea leve	130 ft.	108 ft.	145 ft.	145 ft.	251 ft.	544 ft.	43 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·460	29·489	29·472	29·489	29·483	29·469	29·470
Highest (Unreduced)	29·624	29·643	29·667	29·643	29·534	29 194	29·742
Lowest (Unreduced)	29·062	29·113	29 048	29·113	28·994	28·653	29·160
Range	0·562	0·530	0·619	0·530	0·540	0·541	0·582
Temperature.							
Adopted Mean	45·8	46·7	46·2	46·6	45·7	44·6	46·3
Range for Week	14·9	14·7	21·3	18·2	17·0	20·4	16·4
Daily Range	3·6	7·9	11 3	9·2	9·7	10·3	8·9
Maximum in Shade	51·0	53·2	52·5	53·9	52·3	53·0	53·0
Minimum in Shade	36·1	38·5	31·2	35·7	35·3	32·6	36·6
Temperature of Dew Point	41·5	41·4	41·1	40·8	40·7	41·5	41·6
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·850	0·825	0·834	0·817	0·812	0·888	0·835
Prevailing Winds	.....	S, SSW	S, SW	S, SSW	SW	SW	SE, SW
Rain	.....	10·26	0·930	1·126	0·899	1·350	1·082
Ozonometer.							
Moffat	....	0·28	7·57	3·28	....	....	....
Schonbein	....	....	1·43	....	9·00	2·90	7·39

December, 19th, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

OL. VIII.] WEEK ENDING SATURDAY, DECEMBER 26, 1868. No. 439

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 26th December, 1223 new cases of disease were observed in the public practice of Manchester and Salford. In the preceding week the number was 1462, and in the corresponding week of last year it was 1401. The deaths during the week amounted to 59, being at the rate of 1 death to every 20 cases.

The return for this week is favorable. There is a slight decrease in the cases of Scarlatina; last week 34 were returned in the week under notice the number has fallen to 30. Six of these cases occurred in Manchester, 17 in Salford, 4 in Hulme, and 3 in Chorlton. In the corresponding week of last year the number was 24.

The cases of Measles amount to 4 against 1 in the preceding week. Three of these occurred in Manchester and 1 in Chorlton.

The number of Small-Pox cases has fallen from 8 to 5,—these cases occurred in Manchester.

Diarrhœa and Dysentery continue to decline,—15 cases are returned; in the preceding two weeks the numbers were 42 and 25; in the corresponding week of last year the number was 37.

There is this week a considerable improvement in the Fever return,—59 cases are returned against 93 in the preceding week. Eighteen cases are assigned to Continued Fever, 28 to Typhus, and 13 to Typhoid Fever,—12 of the Typhus cases were treated at the Manchester Workhouse, 6 at the Chorlton Union Workhouse, and 2 at the Royal Infirmary.

Bronchitis and other acute chest diseases have decreased considerably during the last fortnight. The numbers for the last three weeks are 338 262 and 195.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 264 deaths were registered in the eleven registration districts which supply returns to the Sanitary Association. Seventy deaths were caused by diseases of the lungs, 21 by Scarlatina, 18 by Fever, 11 by Whooping-Cough, and 9 by Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 44·2°; at the Royal Infirmary it was 43·2°; and at Old Trafford 41·8°.

JOHN ROBERTS, M.D., Hon. Sec.

OMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC I

New Cases of Disease coming under Treatment D

MANCHESTER.

Area in Statute Acres ..... Manchester Township 1,645 .....

Population in 1861 ..... ,, ,, 185,050 .....

DISEASES.	Poor Law Districts.							Public Institutions.								
									Royal Infirmary.					Children		
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	In-patients. 8	Out-patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City Gaol. 15
Small-pox	..	..	..	..	..	1	1	3	..	..	..	..	1	..	..	..
Measles	..	..	..	..	..	1	1	..	..	..	1	..	..	1	..	..
Scarlet Fever	1	..	..	..	1	1	3	1	..	..	..	..	...	1	1	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..
Diarrhœa	..	..	..	..	..	1	1	..	..	1	..	..	..	..	2	.
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	1	1	..	..	..	..	2	..	..	..	1	..	..	..	..	..
Continued Fever	*a* 1	..	3	..	..	..	4	..	..	..	..	..	..	1	1	..
Typhus	..	..	..	..	..	5	5	12	2	..	1	..	..	..	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Febricula	1	..	..	..	..	1	2	1	..	..	..	1	1	7	..	..
Ague	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	..	1	3	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..
Bronchitis and Catarrh	1	5	2	5	..	8	21	14	..	22	1	1	4	11	9	5
Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Pleurisy and Pneumonia	..	..	..	..	..	5	5	3	1	..	..	..	..	..	1	..
Phthisis	1	..	..	..	..	..	1	8	..	11	1	..	..	2	1	1
Constitutional Syphilis	..	..	..	..	..	1	1	9	..	..	..	..	..	..	..	3
All other Diseases	15	3	12	8	3	15	56	53	23	91	6	4	6	24	39	7
Accidents	..	..	..	..	..	1	1	..	16	139	1	..	..	..	..	..
TOTAL	21	9	17	13	4	40	104	104	45	268	12	7	12	48	54	21

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) ,, J. BROADBENT,
(3) ,, EDWARD MEACHAM,
(4) ,, JOHN WALSH.
(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) ,, C. J. CULLINGWORTH.
(9) (10) (11) (12) Mr. S. J. TRUEMAN, ,, W. H. CARRUTHERS, ,, J. P. SLEIGHTHOLME,
(13) Mr. H. RUNCORN
(14) ,, J. FINLAYSON
(15) ,, J. OGDEN FLET
(16) ,, J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 26th day of December, 1868.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
.. 1,329				.... 477.....			.. 646..		508	.... 2650.....				Area in Statute Acres.	
.. 70,967.				.. 68,209. ..			..44,850..		21739	.....24,448.....				Population in 1861.	
R LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	Salford County Gaol.	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	5	..	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	1	4	4	Measles	..
..	2	12	..	1	2	1	..	2	..	..	1	30	24	Scarlet Fever.	4
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	..	..	..	..	..	..	..	..	..	..	2	37	Whooping-cough	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
..	..	1	2	..	..	..	..	..	...	..	1	14	36	Diarrhœa	2
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Dysentery	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	2	..	..	..	5	4	Erysipelas	..
..	5	3	..	1	a1	..	..	..	1	..	1	18	11	Continued Fever	..
..	..	1	..	..	..	..	1	..	..	..	6	28	27	Typhus	3
..	..	3	..	..	..	..	3	3	..	2	..	13	8	Enteric or Typhoid ..	..
..	..	3	..	1	2	7	1	..	..	..	2	28	17	Febricula	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Ague	..
2	..	..	..	..	3	..	1	..	1	..	..	11	53	Rheumatic Fever	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
11	..	28	4	5	1	4	1	4	2	2	15	180	221	Bronchitis & Catarrh	8
..	..	..	..	..	..	..	..	..	..	..	..	1	15	Influenza	..
..	..	3	..	..	..	..	..	..	..	..	1	14	18	Pleurisy & Pneumonia.	1
..	..	7	..	1	2	1	3	..	..	1	..	41	57	Phthisis	7
..	..	7	..	..	..	..	1	..	..	..	2	23	32	Constitutional Syphilis	1
14	4	92	2	7	8	7	13	23	4	10	61	564	610	All other diseases	29
2	..	45	..	1	..	1	2	12	..	16	1	240	225	Accidents	4
29	11	215	8	17	19	21	26	46	8	31	92	1223	1401	TOTAL	59

adebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. W. C. BARNISH,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, R. P. O. GORMAN,
(28) ,, GEORGE CLEMENTS.

ie reports of the Association, and has as far as practicable, been taken into account in the conclusions n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Thomason.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox	..	1	..	..	..	..	..	..	..	..	..	1	..
Measles	1	..	..	..	..	..	3	2	1	1	1	9	5
Whooping-cough	..	..	..	..	..	1	..	..	..	10	..	11	24
Scarlatina	3	4	..	..	1	6	3	1	..	1	2	21	19
Diarrhœa	1	1	1	1	..	..	1	..	..	1	1	7	2
Fever	1	3	1	1	2	*a*2	*b*1	2	*b*1	*d*4	..	18	5
Diseases of the Lungs	6	9	13	4	4	7	1	..	11	11	4	70	84
Other causes	12	13	19	6	3	9	16	*c*11	10	21	7	127	120
TOTAL NO. OF DEATHS.	24	31	34	12	10	25	25	16	23	49	15	264	259
TOTAL NO. OF BIRTHS.	39	38	12	9	13	26	28	17	27	92	12	313	251

a Typhoid. *b* Typhus. *c* 2 Inquests. *d* 2 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in St. Marylebone, LONDON.
Medical Officer of Health, John Whitmore, M.D.
Population in 1861, 161630.

At Pauper, Charitable, and Public Institutions in MANCHESTER and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL.	DISEASES.	5 Weeks ending 29th Aug.	4 Weeks ending 26th Sept.	5 Weeks ending 31st Oct.	TOTAL
3	..	1	4	Small-pox	7	4		19
42	43	53	138	Measles	56	24	32	112
59	57	93	209	Scarlet Fever	198	230	285	713
6	2	1	9	Diphtheria	..	..		3
34	23	32	89	Whooping-cough	9	2	3	14
1	..	2	3	Croup	2	2	2	6
2773	762	387	3922	Diarrhœa	1374	534	290	2198
1	1	2	4	Dysentery	48	8	11	67
..	..	..	..	Malignant Cholera	1	..	..	1
47	36	38	121	Erysipelas	24	34	41	99
23	9	4	36	Continued Fever	141	191	248	580
2	..	4	6	Typhus	154	145	268	567
4	2	9	15	Enteric or Typhoid	76	93	108	277
61	38	55	154	Febricula	237	280	268	785
..	1	..	1	Ague	2	2	1	5
46	38	69	153	Rheumatic Fever	48	61	82	191
1	..	..	1	Puerperal Fever	1	..	2	3
498	513	872	1883	Bronchitis and Catarrh	576	718	1132	2426
5	4	4	13	Influenza	26	19	47	92
48	42	48	133	Pleurisy and Pneumonia	63	65	124	252
89	75	95	259	Phthisis	306	277	318	901
42	26	37	105	Constitutional Syphilis	235	140	183	558
4538	3626	4232	12396	Accidents, and all other Diseases	5246	4081	4773	14100
8323	5298	6038	19659	TOTAL	8830	6910	8229	23969

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN NOVEMBER.

	Inches.	Wet Days.
Royton	2·555	16
Wilmslow	1·848	18
Salford	2·711	17
Old Trafford	3·108	18
Penketh	2·049	16
Eccles	2·719	18

	Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington L. W. Reynolds Esq.
Height of barometer cistern above sea level	130 ft.	108 ft.	145 ft.	145 ft.	251 ft.	544 ft.	43 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29·184	NO RETURN.	29·183	NO RETURN.	29·168	29·168	29·170
Highest (Unreduced)	29·522		29·499		29·402	29·065	29·586
Lowest (Unreduced)	28·622		28·564		28·450	28·100	28·630
Range	0·900		0·935		0·952	0·965	0·956
Temperature.							
Adopted Mean	43·2		41·8		43·3	41·5	42·6
Range for Week	6·1		15·6		18·9	20·1	22·8
Daily Range	3·3		8·3		9·0	10·0	10·0
Maximum in Shade	46·2		50·6		54·8	54·3	55·0
Minimum in Shade	40·1		35·0		35·9	34·2	32·2
Temperature of Dew Point	40·3		....		40·6	39·2	40·4
Hygrometrical condition of the Atmosphere.	GRS.		GRS.		GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)	0·900		0·936		0·881	0·912	0·919
Prevailing Winds	.....		SE		SW	SW	S, SW
Rain	.....		2·749		3·111	3·000	2·606
Ozonometer.							
Moffat	....		2·43		....	....	....
Schonbein	....		0·86		7·86	....	5·60

December, 26th, 1868.

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.